

September 20, 2021



CITY OF SAN PABLO
City of New Directions



Michael Montgomery, Executive Officer
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Dear Mr. Montgomery:

Enclosed is the Fiscal Year 2020-21 Annual Report for the City of San Pablo, which is required by and in accordance with Provision C.17 in National Pollutant Discharge Elimination System (NPDES) Permit Number CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Sincerely,

A handwritten signature in blue ink, appearing to read "Matt Rodriguez".

Matt Rodriguez
City Manager

Enclosure

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Section 1 – Permittee Information

Background Information					
Permittee Name:	City of San Pablo				
Population:	30,990				
NPDES Permit No.:	CAS612008				
Order Number:	R2-2015-0049				
Reporting Time Period (month/year):	July 2020 through June 2021				
Name of the Responsible Authority:	Matt Rodriguez	Title:	City Manager		
Mailing Address:	1000 Gateway Ave.				
City:	San Pablo	Zip Code:	94806	County:	Contra Costa
Telephone Number:	510-215-3000	Fax Number:	510-215-3011		
E-mail Address:	MattR@SanPabloCA.gov				
Name of the Designated Stormwater Management Program Contact (if different from above):	Amanda Booth	Title:	Senior Environmental Program Analyst		
Department:	Public Works Department				
Mailing Address:	1000 Gateway Ave.				
City:	San Pablo	Zip Code:	94806	County:	Contra Costa
Telephone Number:	510-215-3066	Fax Number:	510-215-3013		
E-mail Address:	AmandaB@SanPabloCA.gov				

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

The City of San Pablo performed the following activities regarding Municipal Operations:

- Attended weekly staff meetings with engineering staff, inspectors, and maintenance staff where topics included NPDES permit requirements, appropriate Best Management Practices (BMPs), and other stormwater issues.
- City staff attended the Municipal Operations Committee meetings on 6 occasions (August, December, January, March, April, and May) during the reporting year.
- City maintenance crews responded to 1,491 illegal dumping calls. These calls amount to \$92,117 in dumping costs (excluding labor).
- City Maintenance staff attending an internal training on 3/25/2021 with information on NPDES requirements and BMPs.
- Refer to the C.2 Municipal Operations section of the countywide Program's FY 20-21 Annual Report for a description of activities implemented at the countywide and/or regional level.

C.2.a. ► Street and Road Repair and Maintenance

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

Y	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
Y	Control of concrete slurry and wastewater, asphalt, pavement cutting, and other street and road maintenance materials and wastewater from discharging to storm drains from work sites.
Y	Sweeping and/or vacuuming and other dry methods to remove debris, concrete, or sediment residues from work sites upon completion of work.

Comments:
 The City maintenance crews performed minor pothole and road repair services throughout the year. During these activities, the required stormwater BMPs were followed.

C.2.b. ► Sidewalk/Plaza Maintenance and Pavement Washing

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

Y	Control of wash water from pavement washing, mobile cleaning, pressure wash operations at parking lots, garages, trash areas, gas station fueling areas, and sidewalk and plaza cleaning activities from polluting stormwater
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:
 None.

C.2.c. ► Bridge and Structure Maintenance and Graffiti Removal

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

Y	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
Y	Control of discharges from graffiti removal activities
Y	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs for graffiti removal
Y	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
Y	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.

Comments:

City maintenance crews responded to 1,329 graffiti removal calls. All appropriate BMPs are used during graffiti removal activities.

C.2.e. ► Rural Public Works Construction and Maintenance	
Does your municipality own/maintain rural ¹ roads:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If your answer is No then skip to C.2.f.	
Place a Y in the boxes next to activities where applicable BMPs were implemented. If not applicable, type NA in the box and provide an explanation in the comments section below. Place an N in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.	
<input type="checkbox"/>	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas
<input type="checkbox"/>	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources
<input type="checkbox"/>	No impact to creek functions including migratory fish passage during construction of roads and culverts
<input type="checkbox"/>	Inspection of rural roads for structural integrity and prevention of impact on water quality
<input type="checkbox"/>	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion
<input type="checkbox"/>	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate
<input type="checkbox"/>	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings
Comments including listing increased maintenance in priority areas: None.	

¹Rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing or open space uses.

C.2.f. ► Corporation Yard BMP Implementation	
Place an X in the boxes below that apply to your corporations yard(s):	
<input type="checkbox"/>	We do not have a corporation yard
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit
<input checked="" type="checkbox"/>	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:	
<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants

Comments:

Below is a general description of BMP's used on site:

- Materials Storage: Store the majority of materials indoors, any materials which may affect the stormwater system (via rain and runoff) are covered during inclement weather. Materials picked up from streets and storm drainage facilities are disposed of daily.
- Equipment/Vehicle Storage: Park trucks and other equipment in designated areas outside. Drip pans are used for any leaks revealed during regular inspections until repaired. Cover equipment that is only used periodically.
- Vehicle and Equipment Maintenance: Perform vehicle and equipment maintenance in covered areas. Take vehicles to a car wash. For large vehicles that do not fit in a car wash, only rinse with water. Protect the catch basin with socks and wash away from the catch basin. Rinse off equipment in a designated area with a sanitary sewer connection.
- Vehicle Fueling: Staff are trained on proper fueling practices. The new facility utilizes BMP's including a canopy, a concrete pad, signs indicating "Do not top off", and a spill kit.
- Repair Work: Perform machinery repair work in the indoor shop area. Clean up spills using spill kits or absorbent materials. Dispose materials used to clean spills at the hazardous waste facility.
- Concrete Sawing Work: Perform work within a bermed area and use a wet-vacuum to pick up the water. Protect catch basins with gravel bags, socks, or filter.
- Asphalt/Patch Truck Cleaning: Impervious materials and/or drip pans shall be placed under the truck when cleaning is necessary. Cleaning fluid effluent will be absorbed or collected for disposal upon completion of cleaning. Protect patch and paving equipment from the rain.
- Painting Equipment Cleaning: Water-based paint is mainly used by maintenance. Equipment is rinsed and cleaned over dry solids and disposed at the hazardous waste facility. Protect painting equipment from rain.
- Pesticide, Herbicide, and Chemical Storage and Disposal: Hazardous materials are stored in labeled containers and stored in locked and posted storage unit.
- Spill Containment: For minor spills which could impact the stormwater system, (1) stop the source and contain the spill, (2) remove the spilled material using absorbent material and/or the spill cleanup kits, (3) clean the contaminated area using dry methods, and (4) store spill kits near potential spill areas. For details on hazardous materials spills, consult MSDS's and the Business Plan. Notify Environmental Programs Analyst.

For significant spills that cannot be completely controlled by on-site personnel, (1) call the appropriate agency on the Emergency Phone List, (2) control entry and evacuate area, (3) if safe, stop the source of the spill and contain its spread, and (4) cleanup area after appropriate responder determines it is safe.

- **Housekeeping:** Keep the site clean and check daily for potential pollutants. Dry sweep pavement area regularly. Remove debris from catch basins and change filters as needed.
- **Training:** Updates and reviews of stormwater BMP's are conducted at least annually and are frequently part of the monthly safety meetings held at the site. The BMP's are also posted at the Corporation Yard.

If you have a corporation yard(s) that is not an NOI facility, complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:

Corporation Yard Name	Corp Yard Activities w/ site-specific SWPPP BMPs	Inspection Date²	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions
San Pablo Corp Yard	Material Storage, Equipment/Vehicle Storage, Vehicle Fueling, Repair Work (excluding automotive repairs), Concrete Sawing Work, Asphalt/Patch Truck Cleaning, Paint Cleaning, Chemical Storage, Spill Containment, General Housekeeping, and Training. All BMPs listed above were implemented as described in the comments above.	09/23/2020	No major issues. The inspector requested the following minor improvements: <ul style="list-style-type: none"> • All Hazardous material must be properly stored, covered, and labeled. • Chemicals and auto parts must be stored inside or covered. • Drain inlets should be cleaned out and filter fabrics replaced. • Replace wattles near sediment storage. • Sweep site. 	The site was re-inspected on 09/30/2020 and all findings had been addressed.

² Minimum inspection frequency is once a year during September.

Section 3 - Provision C.3 Reporting New Development and Redevelopment

C.3.b.iv.(2) ► Regulated Projects Reporting

Fill in attached table **C.3.b.iv.(2)** or attach your own table including the same information.

 Refer to **Table C.3.b.iv.(2)** on pages 3-8, 3-9, and 3-10.

C.3.e.iv. ► Alternative or In-Lieu Compliance with Provision C.3.c.

Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
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Comments (optional):
 At this time, all regulated projects are required to perform 100% LID treatment onsite. No alternative compliance projects have been approved. However, the City will review each project to determine if Alternative Compliance is appropriate.

C.3.e.v ► Special Projects Reporting

1. In FY 2020-21, has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
2. In FY 2020-21, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the C.3.b.iv.(2) Table, and the C.3.e.v. Table.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

If you answered "Yes" to either question,
 1) Complete Table C.3.e.v.
 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.

 No special projects were received, reviewed, or approved by the City of San Pablo during the 2020-2021 reporting year.

C.3.h.v.(2) ► Reporting Newly Installed Stormwater Treatment Systems and HM Controls (Optional)

On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting year) stormwater treatment systems and HM controls to the local mosquito and vector control agency and the Water Board. The list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.

See attached Table **C.3.h.v.(2)** on page 3-11 for a list of newly installed Stormwater Treatment Systems/HM Controls.

C.3.h.v.(3)(a) –(c) and (f) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting

Site Inspections Data	Number/Percentage
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the previous fiscal year (FY19-20)	19*
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the reporting period (FY 20-21)	24
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 20-21)	5
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 20-21)	26% ³

*There is only one new site (West County Behavioral Health Annex); however, for maintenance purposes, the site is split into two. Contra Costa County will be responsible for part of the site and the City of San Pablo will be responsible for part of the site.

³ Based on the number of Regulated Projects in the database or tabular format at the end of the previous fiscal year, per MRP Provision C.3.h.ii.(6)(b).

**C.3.h.v.(3)(d)-(e) ► Installed Stormwater Treatment Systems
Operation and Maintenance Verification Inspection Program
Reporting**

Provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.

Summary:

The City of San Pablo conducted five Operations and Maintenance Inspections during the 2020-21 reporting year.

1. Site one had significant plant die-off, missing cobblestones, and trash including a few large concrete blocks. All corrective measures were implemented.
2. Site two was well maintained but had some plant die-off especially in an area commonly used by pedestrians. The site was re-inspected and the violations were corrected.
3. Site three has the most IMPs of any site in the City (22). The site also has IMPs that are connected via pipe so the main issues were clearing out the pipes, rearranging the cobblestones, and replanting a few areas used by pedestrians. Follow-up inspections were conducted to verify all measures were implemented.
4. Four out of the 6 IMPs at site 4 are maintained by the County. Of those, two had a lot of plant die off and the County replanted the areas. The other 2 IMPs are maintained by the City and one IMP had gravel in a DI and both IMPs had cobbles that had washed into the IMP. All violations were corrected before the re-inspection.
5. One out of the 3 IMPs at site 5 are maintained by the County and were in good condition. The two IMPs maintained by the City required some weeding and rearranging of cobblestones that had washed into the IMP. All violations were corrected before the re-inspection.

After a review of inspections from previous years, the most common issues with LID facilities remains the lack of ongoing logs from facilities. City staff intends to continue to provide additional notice and information to businesses that are inspected – however, this is expected to continue to be an issue due to staff turn-over at businesses with LID facilities on site.

Provide a discussion of the effectiveness of the O&M Program and any proposed changes to improve the O&M Program (e.g., changes in prioritization plan or frequency of O&M inspections, other changes to improve effectiveness program).

Summary:

In general, the current O&M program is effective and the IMPs are maintained. Similar to previous years, three sites had issues with collecting logs since many sites change landscape contractors and/or property managers and the new personnel do not know about the requirements to keep logs. Two of the five sites maintained proper logs. City staff intends to continue

to provide additional notice and information to businesses that they will be inspecting – however, this is expected to continue to be an issue.

C.3.i. ► Required Site Design Measures for Small Projects and Detached Single Family Home Projects

On an annual basis, discuss the implementation of the requirements of Provision C.3.i, including ordinance revisions, permit conditions, development of standard specifications and/or guidance materials, and staff training.

Summary:

Applicants for development approvals for projects creating or replacing more than 2,500 square feet but less than 10,000 square feet of impervious area, and single-family homes creating or replacing more than 2,500 square feet of impervious area, are required to submit a Stormwater Control Plan for a Small Land Development Project that meets the criteria in Appendix C of the Contra Costa Clean Water Program's *Stormwater C.3 Guidebook, 7th Ed.* Appendix C includes minimum specifications for runoff reduction measures. The City has modified local policies/procedures and forms/checklists to require all applicable projects approved after December 1, 2012, to implement at least one of the site design measures listed in Provision C.3.i. The City has also created a flow chart with links and information to help applicants better understand the requirements: <https://www.sanpabloca.gov/1142/Construction-Requirements>.

C.3.j.i.(5)(d) ► Green Infrastructure Outreach

On an annual basis, provide a summary of your agency's outreach and education efforts pertaining to Green Infrastructure planning and implementation.

Summary:

The following aspects summarize the City of San Pablo's outreach and education efforts pertaining to Green Infrastructure planning and implementation:

- Please refer to the CCCWP's FY 20-21 Annual Report for a summary of outreach efforts implemented at the Countywide level.
- The City's approved GI Plan can be found online at: <https://www.sanpabloca.gov/2637/Green-Infrastructure-Plan> for the public or developers to review. This webpage has been provided in English and Spanish to better communicate to the San Pablo community the importance of green infrastructure.

- On April 5, 2021, the Annual Stormwater Utility Assessment was sent to the San Pablo City Council for approval. As part of this package, the City Council is informed about the various aspects that are paid for through this assessment fee, and green stormwater infrastructure (GSI) is part of that information.
- City staff attended the Contra Costa Clean Water Program C.3 Webinar Training on May 11, 2021.
- City staff attended and presented at the Annual CASQA Conference on September 15-16.
- City Maintenance staff attended an internal training session on 3/25/2021 this included information about GSI in the City.
- During the reporting year, City Maintenance Division installed bioswale signs at all City-owned bioswales. These signs are designed to educate the public about the function of bioswales.



C.3.j.ii.(2) ► Early Implementation of Green Infrastructure Projects

On an annual basis, submit a list of green infrastructure projects, public and private, that are already planned for implementation during the permit term and infrastructure projects planned for implementation during the permit term that have potential for green infrastructure measures. Include the following information:

- A summary of planning or implementation status for each public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. (see C.3.j.ii.(2) Table B - Planned Green Infrastructure Projects).
- A summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. For any public infrastructure project where implementation of green infrastructure measures is not practicable, submit a brief description of the project and the reasons green infrastructure measures were impracticable to implement (see C.3.j.ii.(2) Table A - Public Projects Reviewed for Green Infrastructure).

Background Information:

Describe how this provision is being implemented by your agency, including the process used by your agency to identify projects with potential for green infrastructure, if applicable.

The process used by the City of San Pablo to identify projects with potential for green infrastructure is explained in the BASMAA May 6, 2016 document “Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Projects”. Usually, the City holds a meeting to discuss potential projects, however, due to the COVID-19 health crisis, this was done over email correspondence and a video call. City staff held a meeting regarding future CIP projects on June 24, 2021, to ensure that all potential future projects with a potential opportunity for LID implementation are identified early. Each of these potential projects are tracked in a spreadsheet for follow-up and reporting.

Summary of Planning or Implementation Status of Identified Projects:

See attached Tables **C.3.j.ii.(2)-Table A** and **C.3.j.ii.(2)- Table B** for the required information, pages 3-14 to 3-16.

C.3.j.iii.(2) and (3) ▶ Participate in Processes to Promote Green Infrastructure

On an annual basis, report on the goals and outcomes during the reporting year of work undertaken to participate in processes to promote green infrastructure.

- Please refer to CCCWP's FY 20-21 Annual Report for a summary of efforts conducted to help regional, State, and federal agencies plan, design, and fund incorporation of green infrastructure measures into local infrastructure projects, including transportation projects.
- The City of San Pablo has executed an agreement with Caltrans for 3 million dollars to implement bioswales that treat 9 acres on and/or near Rumrill Blvd., which is a priority project listed in the Green Infrastructure Plan.
- Over the reporting year, the City of San Pablo has been working to establish an Alternative Compliance System in Contra Costa County to better implemented Green Infrastructure and meet the TMDL goals. This work included 9 regional meetings to develop a draft system and a literature review. Additional information about this project can be found here: <https://www.sanpabloca.gov/2685/Regional-Alternative-Compliance>.

C.3.j.iv.(2) and (3) ▶ Tracking and Reporting Progress

On an annual basis, report progress on development and implementation of methods to track and report implementation of green infrastructure measures and provide reasonable assurance that wasteload allocations for TMDLs are being met.

Please refer to CCCWP's FY 20-21 Annual Report for a summary of methods being developed to track and report the implementation of green stormwater infrastructure measures.

C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 1) – Projects Approved During the Fiscal Year Reporting Period

Project Name Project No.	Project Location ⁴ , Street Address	Name of Developer	Project Phase No. ⁵	Project Type & Description ⁶	Project Watershed ⁷	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ⁸	Total Replaced Impervious Surface Area (ft ²) ⁹	Total Pre- Project Impervious Surface Area ¹⁰ (ft ²)	Total Post- Project Impervious Surface Area ¹¹ (ft ²)
Private Projects											
Medical Office Building	13352 San Pablo Ave.	Markdev-DV San Pablo, LLC.	N/A	Two-story medical office Building and associated parking	Wildcat Creek	0.75	0.75	0	26,602	31,405	26,602
Public Projects											
None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments: None.											

⁴Include cross streets

⁵If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

⁶Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.

⁷State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

⁸All impervious surfaces added to any area of the site that was previously existing pervious surface.

⁹All impervious surfaces added to any area of the site that was previously existing impervious surface.

¹⁰For redevelopment projects, state the pre-project impervious surface area.

¹¹For redevelopment projects, state the post-project impervious surface area.

**C.3.b.iv.(2) ► Regulated Projects Reporting Table
 (part 2) – Projects Approved During the Fiscal
 Year Reporting Period (private projects)**

Project Name Project No.	Application Deemed Complete Date ¹²	Application Final Approval Date ¹³	Source Control Measures ¹⁴	Site Design Measures ¹⁵	Treatment Systems Approved ¹⁶	Type of Operation & Maintenance Responsibility Mechanism ¹⁷	Hydraulic Sizing Criteria ¹⁸	Alternative Compliance Measures ^{19/20}	Alternative Certification ²¹	HM Controls ^{22/23}
Private Projects										
Medical Office Building	August 19, 2020	November 10, 2020	<ul style="list-style-type: none"> Inlets will be marked “No Dumping – Drains to Creek” Landscape planting has been selected to minimize the need for pesticides. IPM information provided. 	<ul style="list-style-type: none"> Optimization of Site Layout Existing trees preserved to maximum extent possible Minimization of imperviousness Bioswale facilities use 	Bioswale	O&M Agreement with Site Operator. O&M Agreement will be recorded to property when construction is complete.	2.C	None	N/A	HM Controls not required due to reduced impervious area

¹²For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

¹³For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

¹⁴List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

¹⁵List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

¹⁶List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

¹⁷List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners’ association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

¹⁸See Provision C.3.d.i. “Numeric Sizing Criteria for Stormwater Treatment Systems” for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

¹⁹For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.iv.(2)(m)(i) for the offsite project.

²⁰For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.iv.(2)(m)(ii) for the Regional Project.

²¹Note whether a third party was used to certify the project design complies with Provision C.3.d.

²²If HM control is not required, state why not.

²³If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

**C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 2) –
 Projects Approved During the Fiscal Year Reporting Period
 (public projects)**

Project Name Project No.	Approval Date ²⁴	Date Construction Scheduled to Begin	Source Control Measures ²⁵	Site Design Measures ²⁶	Treatment Systems Approved ²⁷	Operation & Maintenance Responsibility Mechanism ²⁸	Hydraulic Sizing Criteria ²⁹	Alternative Compliance Measures ^{30/31}	Alternative Certification ³²	HM Controls ^{33/34}
Public Projects										
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments: None.										

²⁴For public projects, enter the plans and specifications approval date.

²⁵List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

²⁶List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

²⁷List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

²⁸List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc.) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

²⁹See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

³⁰For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.iv.(2)(m)(i) for the offsite project.

³¹For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.iv.(2)(m)(ii) for the Regional Project.

³²Note whether a third party was used to certify the project design complies with Provision C.3.d.

³³If HM control is not required, state why not.

³⁴If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

C.3.h.v.(2). ► Table of Newly Installed³⁵ Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)

Fill in table below or attach your own table including the same information.

Name of Facility	Address of Facility	Party Responsible ³⁶ For Maintenance	Type of Treatment/HM Control(s)
Lytton Casino Parking Lot	2000 Vale Road San Pablo, CA 94806	Lytton Casino	Bioswales
San Pablo City Hall	1000 Gateway Ave. San Pablo, CA 94806	City of San Pablo	Bioswales
Wildcat Creek Restoration and Greenway Trail Parking Lot- Now called Lifelong Healthcare Parking Lot	2023 Vale Road San Pablo, CA 94806	Lifelong Healthcare	Bioswales
Fire Station 70	1800 23rd Street San Pablo, CA 94806	Contra Costa Fire District	Bioswales
El Portal Greening	El Portal Drive between Church Lane and Fordham Street	City of San Pablo	Bioswales

³⁵ "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

³⁶State the responsible operator for installed stormwater treatment systems and HM controls.

C.3.e.v.Special Projects Reporting Table												
Reporting Period – July 1 2020 - June 30, 2021												
Project Name & No.	Permittee	Address	Application Submittal Date ³⁷	Status ³⁸	Description ³⁹	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category ⁴⁰	LID Treatment Reduction Credit Available ⁴¹	List of LID Stormwater Treatment Systems ⁴²	List of Non-LID Stormwater Treatment Systems ⁴³
None: There were no special projects in San Pablo in the 2020-2021 reporting year.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

³⁷Date that a planning application for the Special Project was submitted.

³⁸ Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

³⁹Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

⁴⁰ For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

⁴¹For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

⁴²: List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area.

⁴³List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

Special Projects Narrative

None- There were no special projects in San Pablo in the 2020-2021 reporting year.

C.3.j.ii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure				
Project Name and Location⁴⁴	Project Description	Status⁴⁵	GI Included?⁴⁶	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement⁴⁷
EXAMPLE: Storm drain retrofit, Stockton and Taylor	Installation of new storm drain to accommodate the 10-yr storm event	Beginning planning and design phase	TBD	Bioretention cells (i.e., linear bulb-outs) will be considered when street modification designs are incorporated
El Portal Soccer Field – 2600 Moraga Road.	New park with soccer fields.	The project is still looking for funding, unknown timeline. The City submitted an application for State Park Prop 68 funding in 2021.	TBD-Potential	The project will depend on design, unsure if the project will increase or decrease impervious area. This project will be reevaluated once funding is received and the design is known. It is likely this project will include GSI features.
New Corp Yard Facility	New Maintenance Building and Corp Yard Facility	Concept Design – Unknown construction timeline. No current funding or location for this project.	TBD-Likely	Project to be evaluated once design and timing are better known.
San Pablo Bridge Replacement and Creek Restoration Project- San Pablo Avenue at San Pablo Creek	Bridge Replacement and Creek Restoration	Initial assessment stage. The Project is likely 5-7 years from construction.	TBD-Likely	The extent of the project is currently unknown, it is too early for an assessment, however initial indications are this project will involve creek restoration aspects and include LID.
Rollingwood Recreation Center	Recreation facility that requires updates.	This is an old recreation center the City has	No	This will be internal upgrades only.

⁴⁴ List each public project that is going through your agency’s process for identifying projects with green infrastructure potential.

⁴⁵ Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

⁴⁶ Enter “Yes” if project will include GI measures, “No” if GI measures are impracticable to implement, or “TBD” if this has not yet been determined.

⁴⁷ Provide a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. If review of the project indicates that implementation of green infrastructure measures is not practicable, provide the reasons why green infrastructure measures are impracticable to implement.

		purchased from Contra Costa County.		
Rumrill Mainline Upgrade	The project would upgrade the storm drain mainline.	Concept Only.	TBD-Unknown	This project may be combined with the Sutter Ave. project. Most of Rumrill will already have LID due to a separate project.
Road 20/23rd Street Road Realignment	This project would provide safety improvements for pedestrians, bicyclists, and vehicles.	Initial assessment stage. This project is connected to the San Pablo Bridge Replacement and Creek Restoration Project.	TBD-Unknown	The project to be evaluated further once the design and timing are better known.
Giant Rd. Rail Rd Quiet Zone & Revitalization	This project would build a sound wall and other enhancements along the Railroad Tracks along Giant Road.	This project is only in the concept design phase.	No	This project would only include the installation of rail crossing barriers and a sound wall. This project has no LID opportunities.
Giant Rd. Bikeway	Bicycle and/or pedestrian safety improvements based on Corridor Study.	Concept Only- Currently no funding	TBD-Unknown	The project to be evaluated further once the design and timing are better known.
San Pablo Ave. Bike Lane Gap Closures	Design and construction for San Pablo Ave. bicycle lane gaps (Glenn Ave to Evans Ave; 23rd St to Rivers St) and Church Lane bicycle lane gap closure (at SPA)	Concept Only- Currently no funding	TBD-Unknown	The project to be evaluated further once the design and timing are better known.
1701 Bush Ave. Park Improvements	New pocket park at 1701 Bush Ave.	Concept only- Has funding from State Park but no design yet.	TBD-Unlikely	This will be a small pocket park with little impervious area.
Sidewalk Gap Closure	New sidewalks to close ~7-9 miles of gap closures.	Concept Only- Currently no funding	TBD-Unknown	Potential for pervious concrete.

C.3.j.ii.(2) ► Table B - Planned and/or Completed Green Infrastructure Projects			
Project Name and Location⁴⁸	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
EXAMPLE: Martha Gardens Green Alleys Project	Retrofit of degraded pavement in urban alleyways lacking good drainage	Construction completed October 17, 2015	The project drains replaced concrete pavement and existing adjacent structures to a center strip of pervious pavement and underlying infiltration trench.
Rumrill Blvd. Complete Streets, Rumrill Blvd. from Costa Ave to San Pablo Ave	“Complete Streets” project that will overhaul Rumrill Boulevard to encourage multiple modes of transportation by creating a bike lane, and revitalize the street.	The Project has recently completed the 100% design. Construction will start in summer 2021.	This project will include various LID measures including bioswales, pervious concrete, and Silva Cells.
Sutter Ave Drainage Rehabilitation Project	This is a street retrofit project which includes storm drain upgrades and LID features.	Design will start in fall 2020 with construction expected in 2023.	This project will include various LID measures including bioswales as blub-outs and chicanes, replacing sidewalk with pervious concrete, and Silva Cells.
El Portal Greening Project – El Portal Drive between Church and Fordham.	Road greening project with LID design.	Completed	This project includes bioswale facilities on El Portal Drive.
Wildcat Creek Restoration and Greenway Trail	Greenway trail for cyclists and pedestrians along Wildcat Creek.	Near completion, waiting for final punch-list items.	This project included bioswales in a refurbished parking lot and infiltration areas adjacent to the new trail.

⁴⁸ List each planned (and expected to be funded) public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Note that funding for green infrastructure components may be anticipated but is not guaranteed to be available or sufficient.

Section 4 – Provision C.4 Industrial and Commercial Site Controls

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

- Refer to the C.4 Industrial and Commercial Site Controls Section of the CCCWP's FY 19-20 Annual Report for a description of activities of the CCCWP's Municipal Operations Committee and the BASMAA Municipal Operations Committee.
- Staff coordinated with representatives from the West County Wastewater District (WCWD) to prioritize inspections and discuss any priorities for 2020-2021.
- The City reviewed and updated its Automotive Inspection Form.
- San Pablo staff reviewed the City's Businesses Inspection Plan and updated the Plan to include the new master inventory list and the inspection list for FY 2020-21.
- San Pablo staff reviewed the City's Enforcement Response Plan; no revisions were made to the Plan.
- WCWD inspectors conduct the commercial and industrial facility inspections on behalf of the City of San Pablo. WCWD completed 83 inspections for the 2020-21 reporting year on behalf of the City of San Pablo; the City increased the number of inspected businesses due to a reduction in the number of businesses inspected the previous two years due to staff shortages and the COVID-19 health crisis.
- The City coordinated with WCWD to hand out informational flyers regarding the City's ban on plastic foam and plastic bags to relevant businesses during business inspections.
- City and WCWD staff attended the C.4/C.5 Stormwater Inspector Training Workshop held on May 25, 2021.
- City staff attended the Municipal Operations Committee meetings on 6 occasions (August, December, January, March, April, and May) during the reporting year.

C.4.b.iii ► Potential Facilities List (i.e., List of All Facilities Requiring Stormwater Inspections)

List below or attach your list of industrial and commercial facilities in your Inspection Plan to inspect that could reasonably be considered to cause or contribute to pollution of stormwater runoff.

The City staff meet with WCWD to review the prior-year inspections and prioritize facilities to inspect during the FY 2020-21 reporting year. Please see **Attachment A: C.4.b.iii (1)- Potential Facilities List** for the City of San Pablo’s list of commercial facilities. In 2020 San Pablo recorded:

- 95 Food Service/Catering businesses
- 39 Vehicle Service (including body shops and car washes) businesses
- 19 Grocery Stores
- 8 Gas Stations
- 14 Mini-Markets
- 5 Retail businesses
- 3 Vehicle Sales/Rental businesses
- 1 Healthcare facility
- 1 Foundry

C.4.d.iii.(2)(a) & (c) ► Facility Inspections

Fill out the following table or attach a summary of the following information. Indicate your reporting methodology below.

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action. |
| <input type="checkbox"/> | Permittee reports the total number of discrete potential and actual discharges on each site. |

	Number
Total number of inspections conducted (C.4.d.iii.(2)(a))	83
Violations, enforcement actions, or discreet number of potential and actual discharges resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner (C.4.d.iii.(2)(c))	4

Comments:

Over the 2020-21 reporting year, the West County Wastewater District performed 83 business inspections. In total, 16 sites required follow-up and 4 warning notice was issued. All 83 business rectified the issues within 10 business days or otherwise deemed resolved in a longer but still timely manner. 15 businesses were closed down.

C.4.d.iii.(2)(b) ▶ Frequency and Type of Enforcement Conducted

Fill out the following table or attach a summary of the following information.

	Enforcement Action (as listed in ERP) ⁴⁹	Number of Enforcement Actions Taken
Level 1	Verbal Warning/Warning Notice/Education	4
Level 2	Notice of Violation	0
Level 3	Formal Enforcement	0
Level 4	Legal Action or Referral	0
Total		4

C.4.d.iii.(2)(d) ▶ Frequency of Potential and Actual Non-stormwater Discharges by Business Category

Fill out the following table or attach a summary of the following information.

Business Category⁵⁰	Number of Actual Discharges	Number of Potential Discharges
Food Services	0	1
Vehicle Services	1	0
Grocery Store	0	1
Mini-Mart	0	0
Retail	0	1
Car Wash/Detailers	0	0

C.4.d.iii.(2)(e) ▶ Non-Filers

List below or attach a list of the facilities required to have coverage under the Industrial General Permit but have not filed for coverage:

There were no facilities identified as non-filers during scheduled inspections in this permit year.

⁴⁹Agencies to list specific enforcement actions as defined in their ERPs.

⁵⁰List your Program's standard business categories.

C.4.e.iii ► Staff Training Summary						
Training Name	Training Dates	Topics Covered	No. of Industrial/ Commercial Site Inspectors in Attendance	Percent of Industrial/ Commercial Site Inspectors in Attendance	No. of IDDE Inspectors in Attendance	Percent of IDDE Inspectors in Attendance
C.4 & C.5 Stormwater Inspection Training Workshop	5/25/21	<ul style="list-style-type: none"> Basics of Routine Inspection Stormwater Regulatory Overview Anatomy of Enforcement Inspection Photo Review Jurisdictional Clarity 	City of San Pablo-1 WCWD-2	City of San Pablo – 100% WCWD-100%	City of San Pablo-1	City of San Pablo – 100%
Comments: None.						

Section 5 – Provision C.5 Illicit Discharge Detection and Elimination

Program Highlights and Evaluation
Highlight/summarize activities for reporting year:

Provide background information, highlights, trends, etc.

Summary:

- San Pablo has a very aggressive illicit discharge program where any discharger that allows a pollutant to enter the storm drain system is automatically issued a \$1,000 administrative fine.
- City staff attended the Municipal Operations Committee meetings on 6 occasions (August, December, January, March, April, and May) during the reporting year.
- San Pablo staff have made [mobile business brochures](#) available to residents at the permit counter, on the website and provided some brochures to Code Enforcement staff. The website has been updated to present information in English and Spanish to better communicate with the San Pablo community.
- Refer to the C.5 Illicit Discharges Detection and Elimination section of CCCWP’s FY 2020-21 Annual Report for a description of activities conducted at the countywide and regional level.

C.5.c.iii ► Complaint and Spill Response Phone Number

Summary of any changes made during FY 20-21:

There were no changes to the City’s spill response phone number.

C.5.d.iii.(1), (2), (3) ► Spill and Discharge Complaint Tracking

Spill and Discharge Complaint Tracking (fill out the following table or include an attachment of the following information)

	Number
Discharges reported (C.5.d.iii.(1))	7
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	4
Discharges resolved in a timely manner (C.5.d.iii.(3))	6

Comments:

The City's NPDES staff have been educating maintenance staff, Code Enforcement staff, and inspectors regarding illicit discharge violations. All discharges and complaints are logged, investigated, and reported in accordance with the City's Enforcement Response Plan. All reported illicit discharges are substantiated in the field. Over the 2020-21 reporting year, 3 discharges were prevented from reaching the storm drain/receiving water. Each time prevention was due to quick response and/or distance an issue occurred from a storm drain inlet or receiving water.

- Four discharges entered the creek or storm drain system
 - Two discharge complaints were from residents trimming landscaping and leaving them in the creek. In both instances, City staff required the property owners to remove the tree branches from the creek bank and dispose of the debris properly.
 - One incident involved an illegal dumper that dumped 200 tires into the creek. After an investigation, the culprit was not apprehended. The City worked with the County Health and the property owner to remove and dispose of all dumped tires.
 - One incident involved a landscaping contractor that was spraying pesticides in a bioswale. The contract immediately stopped, a warning violation notice was sent to the contractor and the property owner. Training was also required for the landscape contractor.
- Three discharges were prevented from entering the storm drain or creek:
 - One incident involved an RV that dumped sewage into a parking lot. City staff contacted West County Wastewater District, who cleaned the site prior to any discharge entering the storm drain system.
 - One incident involved a landscaper blowing debris into the street. City staff issued a warning notice and made the contractor clean all debris from the street.
 - One incident involved water being discharged into the street from an unknown source. After walking the site with the property owner, the source of the discharge could not be determined. The discharge amount was minimal, stopped when City staff were on-site, and did not make it to the storm drain system. The site is being monitored for potential future discharges.

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.(3)(a), (b), (c), (d) ▶ Site/Inspection Totals			
Number of active Hillside Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.a)	Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii. 3.c)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.3.b)	Total number of storm water runoff quality inspections conducted (include only Hillside Sites, High Priority Sites and sites disturbing 1 acre or more) (C.6.e.iii. 3.d)
# 0	# 1	# 2	# 22
<p>Comments:</p> <p>No inspections occurred for sites outside of these categories. This data includes one private development and two public projects. One public project and one private project was considered “High Priority” since the projects were larger than one acre and the other project was considered “High priority” due to the complex storm drain network in the area.</p> <p>Provide the number of inspections that are conducted at sites not within the above categories as part of your agency’s inspection program and a general description of those sites, if available or applicable.</p> <p>No inspections occurred in FY 20-21 for sites outside of the above categories.</p>			

C.6.e.iii.(3)(e) ► Construction Related Storm Water Enforcement Actions

	Enforcement Action (as listed in ERP) ⁵¹	Number Enforcement Actions Issued
Level 1 ⁵²	Verbal Warning/Warning Notice/Education	12
Level 2	Notice of Violation	0
Level 3	Formal Enforcement	0
Level 4	Legal Action or Referral	0
Total		12

C.6.e.iii.(3)(f), ► Illicit Discharges

	Number
Number of illicit discharges, actual and those inferred through evidence at hillside sites, high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii. 3.f)	0

C.6.e.iii.(3)(g) ► Corrective Actions

Indicate your reporting methodology below.

<input type="checkbox"/>	Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.
<input checked="" type="checkbox"/>	Permittee reports the total number of discrete potential and actual discharges on each site.

	Number
Enforcement actions or discrete potential and actual discharges fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii. .3.g)	12

Comments:

All actions were resolved within 10 days or otherwise deemed resolved in a longer but still timely manner.

⁵¹Agencies should list the specific enforcement actions as defined in their ERPs.

⁵²For example, Enforcement Level 1 may be Verbal Warning.

C.6.e.iii.(4) ► Evaluation of Inspection Data

Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).

Description:

All reported enforcement actions issued were verbal warnings/education and most were minor housekeeping items. The most common reported enforcement were storm drain inlets that needed to be protected or covered, stabilization of the entrance/exits, and street sweeping near the construction site. Often inspectors called for new inlet filter fabrics (current ones were getting old and needed to be replaced) or new gravel bags to be placed around a storm drain inlet. The rest of the enforcement actions varied across the sites. Compared to last year, the number of enforcement actions has significantly decreased (from 30 to 12); this is likely due to a decrease in the number of large construction projects in the City.

C.6.e.iii.(4) ► Evaluation of Inspection Program Effectiveness

Describe what appear to be your program's strengths and weaknesses, and identify needed improvements, including education and outreach.

Description:

- The current program is working well. Monthly reminders are emailed to all inspectors of high-priority sites to make sure inspection reports are completed correctly and on time. All inspection reports are provided to the City's Senior Environmental Program Analyst, who tracks the information in a spreadsheet.
- City staff have continued the increased communication between the stormwater inspectors and project site managers. Project site managers were issued three "reminders" that the official start of the rainy season was October 15th. These reminders informed project managers that City staff would be on-site for inspection prior to October 15th and all stormwater BMPs were required to be in place. In addition, throughout the rainy season, when possible, staff sent out reminders to project sites when heavy rains were forecasted.
- City staff attended the Development Committee on 6 occasions during the reporting year (September, December, January, February, March, and April).
- Refer to the C.6 Construction Site Control section of CCCWP's FY 19-20 Annual Report (if applicable) for a description of activities at the countywide or regional level.

C.6.f.iii ► Staff Training Summary			
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance
None	N/A	N/A	N/A

Section 7 – Provision C.7. Public Information and Outreach

C.7.b.i.1 ► Outreach Campaign

Summarize outreach campaign. Include details such as messages, creative developed, and outreach media used. The detailed outreach campaign report may be included as an attachment. If outreach campaign is being done by participation in a countywide or regional program, refer to the separate countywide or regional Annual Report.

Summary:

- Due to the COVID-19 health crisis, in-person outreach campaigns were limited for FY 20-21.
- Refer to the CCCWP's FY 20-21 Annual Report for a summary of activities related to the planning and development of an Outreach Campaign.
- Litter and Illegal Dumping Task Force (Task Force) held a citywide beatification campaign with social media posts and videos.
 - Clean San Pablo Video Project: <https://www.facebook.com/sanpablopolicy/videos/615746932408313/>
- The City continued the collaboration with EarthTeam regarding a specific trash reduction Outreach Campaign on Rumrill Blvd and surrounding neighborhoods. The City developed a program with EarthTeam to perform trash monitoring, assessments, and education. Phase 1 of the program includes student recruitment, pre-project monitoring of current trash conditions along Rumrill Blvd and Sutro Ave, and ongoing trash assessments and outreach activities to the local community. Results from the 2020-2021 Earth Team Litter Outreach Campaign:
 - EarthTeam interns mapped, classified, and removed 1,900 pieces of litter from hot spot areas in San Pablo. There was a reduction in clean-up events due to the school shut-downs from the health crisis.
 - The teams used the web app to collect, classify, map, and remove litter: the database for the San Francisco Estuary Zerolitter database contains over 147,000 pieces of litter in total, with over 35,000 in the San Pablo area.

C.7.b.iii.2 ► Post-Campaign Effectiveness Assessment/Evaluation

(For the Annual Report following the post-campaign effectiveness assessment/evaluation) Submit a report of the effectiveness assessment/evaluation completed, which, at a minimum, should include the following information:

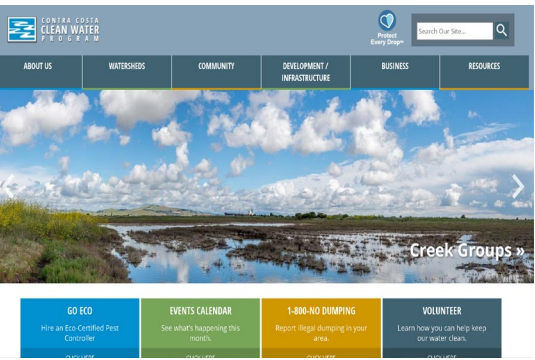
- 1) A description of the outreach campaign
- 2) A summary of how the effectiveness assessment/evaluation was implemented
- 3) An analysis of the effectiveness assessment/evaluation results
- 4) A discussion of the measurable changes in awareness and behavior achieved
- 5) A discussion of the planned or future outreach campaigns to influence awareness and behavior changes regarding stormwater runoff pollution prevention messages

If campaign implementation and effectiveness assessment were done Countywide or regionally, refer to a Countywide or regional submittal that contains the information described above.

<input type="checkbox"/>	See attached effectiveness assessment/evaluation report
<input type="checkbox"/>	See Countywide or regional submittal (reference document)
<input checked="" type="checkbox"/>	Effectiveness assessment/evaluation report was included in the FY 19-20 Annual Report

C.7.c. Stormwater Pollution Prevention Education

In the FY 20-21 reporting year, there were no changes to the City’s website or phone number used as the point of contact for information on stormwater issues.

C.7.d ► Public Outreach and Citizen Involvement Events		
Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed. Use the following table for reporting and evaluating public outreach events		
Event Details	Description (messages, audience)	Evaluation of Effectiveness
<p>Provide event name, date, and location. Indicate if event is local, countywide or regional. Indicate if event is public outreach or citizen involvement.</p>	<p>Identify type of event (e.g., school fair, creek clean-up, storm drain stenciling, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroscope presentation, pesticides, stormwater awareness)</p>	<p>Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as:</p> <ul style="list-style-type: none"> • Success at reaching a broad spectrum of the community • Number of participants compared to previous years. • Post-event effectiveness assessment/evaluation results • Quantity/volume of materials cleaned up, and comparisons to previous efforts
<p>Contra Costa Clean Water Program, City of San Pablo, and BASMAA Websites</p> <ul style="list-style-type: none"> • Public Outreach • Local and Countywide 	<p>These websites provide local and regional points of contact, recommendations for approved water quality vendors (cleaning), and information about: stormwater issues, watershed characteristics, and stormwater pollution prevention alternatives.</p> <p>Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details describing the program.</p>	<p>The City of San Pablo and Contra Costa County have continued to update their websites to improve the community's ability to navigate to the information they need. The City has received positive feedback about the improvements and there have been an increase in residents informing the City about illegal dumping.</p> <p>Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details regarding the effectiveness of this site.</p>

<p>Our Water Our World (OWOW)</p> <ul style="list-style-type: none"> Public Outreach Regional and Countywide 	<p>Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details describing the program.</p>	<p>Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details regarding the effectiveness of this event.</p>
<p>Volunteer Field Monitoring Equipment Maintenance Support.</p> <ul style="list-style-type: none"> Citizen Involvement and Public Outreach Countywide 	<p>Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details describing the program.</p>	<p>Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details regarding the effectiveness of this outreach.</p>
<p>Annual Wildcat Creek Clean-up, October 18, 2020, Davis Park and Citywide.</p> <ul style="list-style-type: none"> Citizen Involvement and Public Outreach Local 	<p>Annual Creek Cleanup at Davis Park and in local neighborhoods. The City contracts with Kids for the Bay who visit local schools to teach about stormwater and creek issues and promote the event. The cleanup event is for students and local residents.</p>	<p>The educational aspect of this program reached 278 students through in-classroom virtual education. The final program clean-up event had 22 volunteers that removed 70 gallons of trash. The educational sessions and events were held virtually this year due to the COVID-19 health crisis. This significantly reduced the number of participants.</p> <p>Attachment B has the full program report.</p>
<p>Social Media Outreach and Posts</p> <ul style="list-style-type: none"> Public Outreach Regional and Countywide <p>https://www.facebook.com/cccleanwaterprogram/</p>	<p>City of San Pablo contributes and shares information on the Contra Costa's Clean Water Program Instagram and Facebook pages.</p> <p>Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details describing the program.</p>	<p>Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details regarding the effectiveness of this outreach.</p>

<p>San Pablo Social Media Outreach and Posts</p> <ul style="list-style-type: none"> • Citizen Involvement and Public Outreach • Local <p>https://www.youtube.com/watch?v=3h3EtHhGKqQ</p>	<p>The City of San Pablo released a video about the Opening of the Wildcat Creek Restoration and Greenway Trail Project. The video informs residents about Wildcat Creek, the project, and the importance of creeks in the area.</p>	<p>The video has been viewed over 600 times and received a lot of positive feedback from the residents on Facebook and at Council meetings.</p>
<p>Bring Back the Natives Virtual Garden Tours</p>	<p>April 25, 2021 at 18:37 and 5:15:41 https://www.youtube.com/watch?v=vARtLzygjN0&t=2029s</p> <p>May 2, 2021 at 17:49 and 5:12:57 https://www.youtube.com/watch?v=JUXOpfbxA8&t=6095s</p> <p>May 16, 2021 at 16:38 and 5:11:04 https://www.youtube.com/watch?v=MJcLWtqSnRc</p> <p>May 23, 2021 at 17:53 and 5:20:14 https://www.youtube.com/watch?v=RbNGpCchyUc&t=8133s</p>	

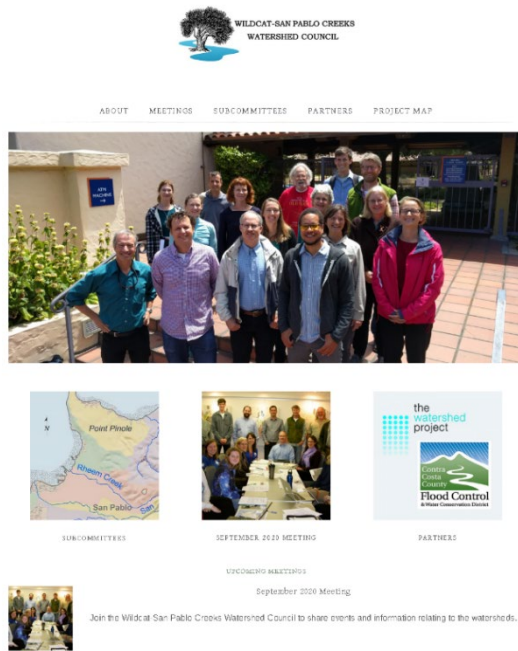
C.7.e. ► Watershed Stewardship Collaborative Efforts

Summarize watershed stewardship collaborative efforts and/or refer to a regional report that provides details. Describe the level of effort and support given (e.g., funding only, active participation etc.). State efforts undertaken and the results of these efforts. If this activity is done regionally refer to a regional report.

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:



The City of San Pablo supports and participates in various local and regional programs to promote Watershed Stewardship including:

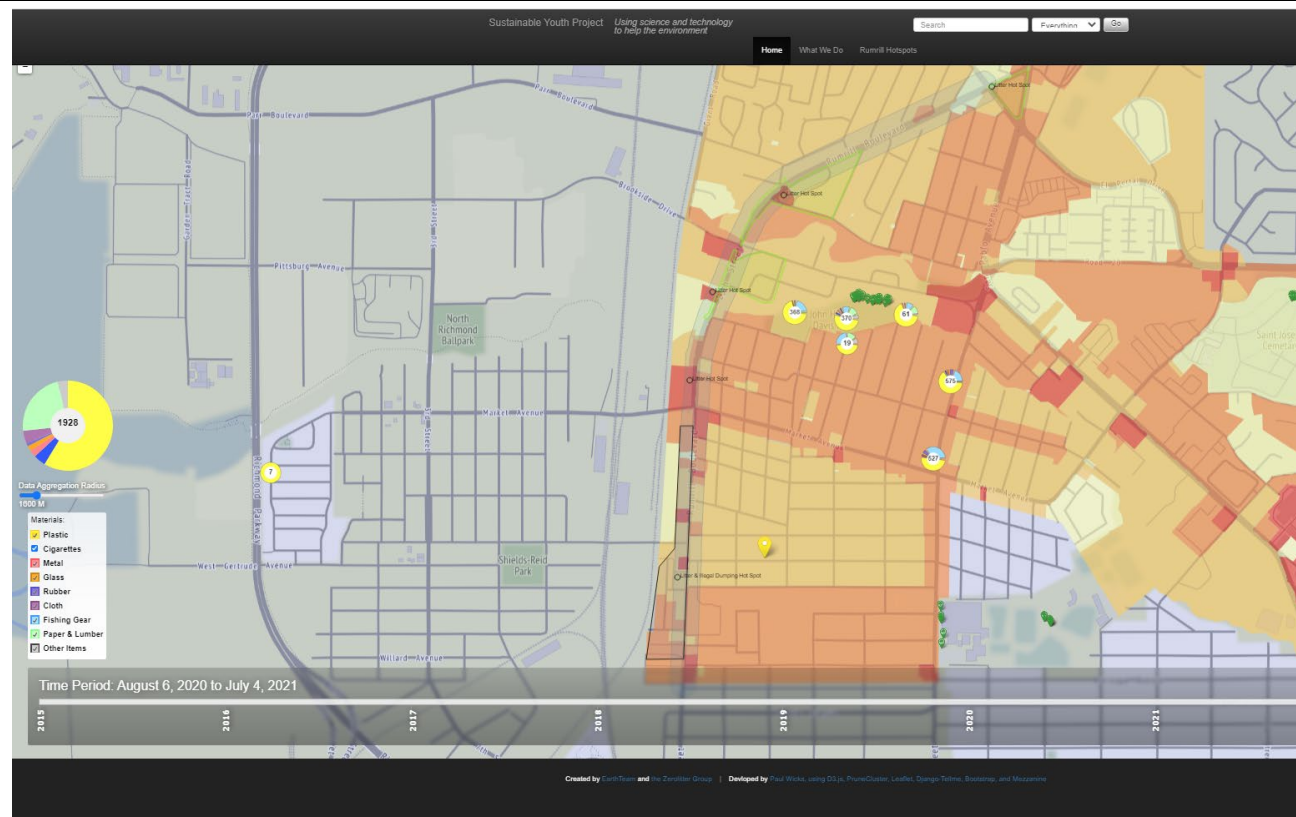
- The City is an active member of the Contra Costa Watershed Forum.
- Staff attended the quarterly Wildcat-San Pablo Creeks Council meetings, which were held virtually in 2021-2021. The City attended five meetings that occurred during the reporting year, including one site visit in June to highlight the opening of the Wildcat Creek Restoration and Greenway Trail Project. The Wildcat-San Pablo Creeks Watershed Council provides a collaborative forum for consensus planning among various agencies, citizen groups, and individuals and is a resource for those who seek solutions to technical, management, monitoring, and funding issues for creeks in the Wildcat Creek and San Pablo Creek watersheds. More information about meetings and topics can be found at <https://www.wcspcouncil.org/>.
- The City of San Pablo was involved in the regional efforts for public information and outreach, please see the Contra Costa Clean Water Program’s Countywide FY 20-21 Annual Report, Section 7 Public Information and Outreach for a full description of the efforts and an evaluation of their effectiveness.

C.7.f. ► School-Age Children Outreach			
Summarize school-age children outreach programs implemented. A detailed report may be included as an attachment. Use the following table for reporting school-age children outreach efforts.			
Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level (elementary/ middle/ high)	Brief description, messages, methods of outreach used	Provide number or participants	Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable.
Mr. Funnelhead School, City/County Events and TV Ads: An educational program that focuses on the recycling of used motor oil and filters. All ages.	Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details of this program.	Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details and numbers.	Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details regarding the effectiveness of this program.
Countywide Watershed Bingo Contest May-June 2021. Elementary and high schools.	Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details of this program.	Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details and numbers.	Please refer to CCCWP's C.7 Public Information and Outreach section of FY 20-21 Annual Report, Section C.7, for further details regarding the effectiveness of this program.
Kids for the Bay (KftB) Environmental Education Presentations to:	This year, due to the Covid-19 pandemic, event outreach and classroom lessons were delivered	It is estimated that 278 students were	Overall, the program is well received and the students always report learning a lot.

<ul style="list-style-type: none"> • Dover Elementary School, • Helms Middle School; and • St. Paul School <p>Elementary and middle school</p>	<p>in a distance learning format via email outreach and Zoom lessons. The cleanup event was the culmination of student environmentalists leading their own neighborhood and creek cleanups with people in their households while wearing masks, to ensure the health and safety of all participants. Students documented their cleanups with photos and a survey, and were entered in a prize drawing to win some eco-prizes provided by the City of San Pablo.</p>	<p>reached over 12 presentations.</p>	<p>Please see attached report in Attachment B.1 for more information.</p>
<p>The Watershed Project Environmental Education Presentations to Downer Elementary School.</p>	<p>The Watershed Project (TWP) delivered their Me & My Watershed: Creekside program to the students. TWP provided curriculum kits for every student in the program containing all the physical materials needed: dice for a water cycle game, worksheets, a nature journal, and a dichotomous key.</p>	<p>117 third and fifth-grade students participated in the program, which included 8 live video lessons with TWP educators and 4 independent journaling activities.</p>	<p>Overall, the program is well received and the students always report learning a lot. Please see attached report in Attachment B.2 for more information.</p> <ul style="list-style-type: none"> • 87% agreed with the statement, “I learned something new.” • 57% agreed with the statement, “The activities made me spend more time outside,” and • 72% agreed with the statement, “I know more ways I can help myself feel better when I am stressed or upset.”
<p>EarthTeam Rumrill Blvd. Trash Reduction Project with Richmond and Kennedy High School Students.</p>	<p>EarthTeam performs trash monitoring, assessments, and education. Phase 1 of the project includes student recruitment, pre-project monitoring of current trash</p>	<p>The project geotagged, logged and removed over 1,900 pieces of</p>	<p>In general, the project is progressing well. This year there was a reduction of litter removal events and in-person activities due to the COVID-19 health crisis. The project performed 15</p>

<p>High School</p>	<p>conditions along Rumrill Blvd and Sutro Ave, and ongoing trash assessments with outreach activities to the local community.</p>	<p>litter in the project area.</p>	<p>collection events over the reporting year. Evaluation of the program is based on the data collected and student feedback. Students report enjoyment in the sense of helping their community and the ability to give back.</p>
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Image:
 Screen grab of one
 litter hot spot with
 all of the 2020-2021
 geotagged litter
 from EarthTeam.



Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a. ► Implement IPM Policy or Ordinance						
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?			X	Yes	<input type="checkbox"/>	No
If no, explain: N/A						
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality , specifically organophosphates, pyrethroids, carbamates fipronil, indoxacarb, diuron, and diamides. A separate report can be attached as evidence of your implementation.						
Trends in Quantities and Types of Pesticide Active Ingredients Used⁵³						
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount ⁵⁴					
	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	
Organophosphates	0	0	0	0	0	
Active Ingredient Chlorpyrifos	0	0	0	0	0	
Active Ingredient Diazinon	0	0	0	0	0	
Active Ingredient Malathion	0	0	0	0	0	
Pyrethroids (see footnote #2 for list of active ingredients)	0	0	0	0	0	
Active Ingredient Type Bifenthrin	30.7 oz	33.3 oz	30.7 oz	15 oz	0	
Active Ingredient Type Y	0	0	0	0	0	
Carbamates	0	0	0	0	0	
Active Ingredient Carbaryl	0	0	0	0	0	
Active Ingredient Aldicarb	0	0	0	0	0	
Fipronil	0	0	0	0	0	
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount					

⁵³Includes all municipal structural and landscape pesticide usage by employees and contractors.

⁵⁴Weight or volume of the active ingredient, using same units for the product each year. Please specify units used. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambdacyhalothrin, and permethrin.

	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
Indoxacarb	0	0	0	0	0
Diuron	0	0	0	0	0
Diamides	0	0	0	0	0
Active Ingredient Chlorantraniliprole	0	0	0	0	0
Active Ingredient Cyantraniliprole	0	0	0	0	0

Reasons for increases in use of pesticides that threaten water quality:

The City only uses Bifenthrin on the exterior of buildings when necessary. Since most of the City facilities were closed over the reporting period, the City halted all pesticide services for buildings, which is why there was a reduction in use in 2020-2021.

IPM Tactics and Strategies Used:

Examples of IPM tactics that were used included:

- the halting of pesticide services while buildings were not occupied;
- the maintenance crew was required to remove, cut, pull and mow weeds prior to seeding to prevent them from spreading rather than using pesticides, particularly in areas adjacent to the Creeks; and
- goats were used to remove weeds on hillsides to reduce fire danger.



C.9.b ▶ Train Municipal Employees	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	5
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	5
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within this reporting year.	100%
Type of Training: The City held an annual stormwater and IPM training with the maintenance staff on March 25, 2021. In addition, 6 employees attended PAPA seminars over this reporting period.	

C.9.c ▶ Require Contractors to Implement IPM			
Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
If yes, did your municipality evaluate the contractor's list of pesticides and amounts of active ingredients used?	N/A	Yes	N/A No,
If your municipality contracted with any pesticide service provider, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored Since all City facilities were shut down due to the COVID-19 pandemic, the City did not contract with any companies for pesticide services.			

C.9.d ▶ Interface with County Agricultural Commissioners	
Did your municipality communicate with the County Agricultural Commissioner to: (a) get input and assistance on urban pest management practices and use of pesticides or (b) inform them of water quality issues related to pesticides,	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

If yes, summarize the communication. If no, explain.

The City did not directly communicate with the County Ag Commissioner. However, the County Ag Commissioner attended the June MOC meeting. Beth Slate from the County Agriculture Commission *presented Alternatives Considered: A New Format for California Restricted Pesticide Permits*. Ms. Slate discussed the Commission’s role, the California Environmental Quality Act (CEQA), background information on restricted use permits, and feasible alternatives.

Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.

	Yes	X	No
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If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.

N/A

C.9.e.ii (1) ► Public Outreach: Point of Purchase

Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); **OR** reference a report of a regional effort for public outreach in which your agency participates.

Summary:

See the C.9 Pesticides Toxicity Control section of the CCCWP FY 20-21 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

C.9.e.ii (2) ► Public Outreach: Pest Control Contracting Outreach

Provide a summary of outreach to residents who use or contract for structural pest control and landscape professionals); **AND/OR** reference a report of a regional effort for outreach to residents who hire pest control and landscape professionals in which your agency participates.

Summary:

See the C.9 Pesticides Toxicity Control section of the CCCWP FY 20-21 Annual Report for information on outreach conducted countywide and regionally.

C.9.e.ii.(3) ► Public Outreach: Pest Control Operators

Provide a summary of public outreach to pest control operators and landscapers and reduced pesticide use (here or in a separate report); **AND/OR** reference a report of a regional effort for outreach to pest control operators and landscapers in which your agency participates.

Summary:

See the C.9 Pesticides Toxicity Control section of the CCCWP FY 20-21 Annual Report for a summary of our participation in and contributions towards countywide and regional public outreach to pest control operators and landscapers to reduce pesticide use.

In addition, the City of San Pablo has made the Landscaping Professionals BMP Brochure available on the City's website, with information on how landscapes can reduce pesticide usage. <https://www.sanpabloca.gov/2650/Tips-for-Mobile-Businesses>.

C.9.f ► Track and Participate in Relevant Regulatory Processes

Summarize participation efforts, information submitted, and how regulatory actions were affected; **AND/OR** reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.

Summary:

During FY 20-21, the City participated in regulatory processes related to pesticides through contributions to the countywide Program and CASQA. For additional information, see the Regional Report prepared by CASQA.

Section 10 - Provision C.10 Trash Load Reduction

C.10.a.i ► Trash Load Reduction Summary

For population-based Permittees, provide the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High, or Moderate trash generation). Base the reduction percentage on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the calculation used to produce the reduction percentage

Trash Load Reductions	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to Trash Full Capture Systems (as reported C.10.b.i)	67.9%
Percent Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Systems (as reported in C.10.b.ii) ⁵⁵	0.0%
Percent Trash Reduction due to Jurisdiction-wide Source Control Actions (as reported in C.10.b.iv)	10.0%
SubTotal for Above Actions	77.9%
Trash Offsets (Optional)	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	10.0%
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	0.0%
Total (Jurisdiction-wide) % Trash Load Reduction through FY 2020-21	87.9%

Discussion of Trash Load Reduction Calculation:
 The City of San Pablo’s total jurisdictional-wide percent trash reduction increased from 85% to 87.9%. This increase is due to new LID facilities that have been installed throughout the City and increased compliance for product bans.

In addition, the City of San Pablo has made litter and illegal dumping a focus area for City improvement. Litter and illegal dumping was identified as a major issue of concern for City of San Pablo staff, residents, and elected officials. In 2019, the City Manager convened an internal Litter and Illegal Dumping Task Force (Task Force), comprised of staff from the Public Works, Community Services, and Police Departments, to understand the issue and identify programs that could be developed and proposed to the City Council for future program implementation. In February 2020, the Task Force presented the multi-year litter and illegal dumping program to the City Council. The City Council fully supported this approach and agreed to move forward to find the \$745,000 required for implementation. However, due to budget constraints resulting from COVID-19, program implementation was delayed. For more information, view the [recording](#) of the City Council Presentation and the accompanying [staff report](#).

⁵⁵ See Appendix 10-1 for changes between 2009 and FY 20-21 in trash generation by TMA as a result of Full Capture Systems and Other Measures.

In the 2020-21 reporting year, staff have been limited in their ability to implement this program and the Direct Discharge Plan due to COVID restrictions. However, staff have been able to focus outreach to residents and business owners regarding free disposal options available in San Pablo and enforcement activities. Below are example posts, information, and videos that were released as part of this project.

- Clean San Pablo Video Project: <https://www.facebook.com/sanpablopolice/videos/615746932408313/>
- Free disposal information website: <https://www.sanpabloca.gov/2509/Free-Disposal-Options>
- Example Social Media Posts:



C.10.a.iii ► Mandatory Trash Full Capture Systems		
Provide the following:		
1) Total number and types of full capture systems (publicly and privately-owned) installed during FY 20-21, and prior to FY 20-21, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.		
2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.		
Type of System	# of Systems	Areas Treated (Acres)
Installed in FY 20-21		
Connector Pipe Screens	0	0
LID Facilities	3	14
Installed Prior to FY 20-21		
Connector Pipe Screens	118	638
LID Facilities	19*	38
Total for all Systems Installed To-date	140	691
Treatment Acreage Required by Permit (Population-based Permittees)		39
Total # of Systems Required by Permit (Non-population-based Permittees)		N/A

*In 2019, the number of LID systems were reported as 18, however for maintenance and operations purposes the West County Behavioral Annex has been split into two facilities (one operated by the County and one operated by the City of San Pablo). Therefore, 19 is the correct number moving forward.

C.10.b.i ► Trash Reduction - Full Capture Systems

Provide the following:

- 1) Jurisdiction-wide trash reduction in FY 20-21 attributable to trash full capture systems implemented in each TMA;
- 2) The total number of full capture systems installed to-date in your jurisdiction;
- 3) The percentage of systems in FY 20-21 that exhibited significant plugged/blinded screens or were >50% full when inspected or maintained;
- 4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future full capture system performance issues; and
- 5) A certification that each full capture system is operated and maintained to meet the full capture system requirements in the permit.

TMA	Jurisdiction-wide Reduction (%)	Total # of Full Capture Systems	% of Systems Exhibiting Plugged/Blinded Screens or >50% full in FY 20-21	Summary of Maintenance Issues and Corrective Actions
1	28.2	140 (118 CPS units & 22 LID units)	<p>Over the reporting year:</p> <ul style="list-style-type: none"> • 7% of units were reported as plugged/blinded or clogged. Ten separate devices were reported as “Clogged,” one time for each device. • 29% of the units were reported as 50% full or more. 27 separate devices were reported as “More than 50% Full” 31 times. (Four devices reported being full more than once). • 10% of units were reported as plugged and more than 50% full. 	<ul style="list-style-type: none"> • CPS units were cleaned 229 times and were inspected 236 times. Most devices required cleaning at a minimum of twice (a few devices were only cleaned once due to a construction site obstructing access to the devices or a second cleaning was not necessary due to no trash). Devices that were obstructed by construction activities were maintained in accordance with C.6 requirements. • 35 FTC devices were more than 50% full of trash. These devices were recorded and are maintained at a more frequent interval. Only 15 of these 35 were more than 50% full with trash, all others were full of leaves and other natural debris. • 8 FTC devices were recorded as “clogged.” Many times a device reported as 50% full was also reported as “blocked” or “plugged”. These devices were recorded and are maintained at a more frequent interval. • All City-owned LID facilities have their own O&M Plan and each site was maintained in accordance with the O&M Plan.
2	22.4			
3	8.7			
4	0.6			
5	1.4			
6	0.0			
7	0.0			
8	0.1			
9	2.5			
10	0.1			
11	3.3			
12	0.3			
13	0.3			
14	0.1			
Total	67.9			

Certification Statement:

The City of San Pablo certifies that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in a manner that meets the full capture system requirements included in the Permit.

C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART A)

Provide a summary of trash control actions other than full capture systems or jurisdictional source controls that were implemented within each TMA, including the types of actions, levels, and areal extent of implementation, and whether actions are new, including initiation date.

TMA	Summary of Trash Control Actions Other than Full Capture Systems
1	No New Actions in the 2020-2021 reporting year.
2	On Land Cleanup - In the 2020-2021 reporting year the City continued to work with Earth Team to perform on-land clean-ups along Rumrill Blvd and San Pablo Ave. as part of a larger trash reduction program in the area. Other - In 2014 the City improved solid waste services by increasing solid waste collection to weekly pick-ups.
3	On Land Cleanup - In the 2020-2021 reporting year the City expanded its work with Earth Team to perform on-land clean-ups along San Pablo Ave. as part of a larger trash reduction program in the area.
4	No New Actions in the 2020-2021 reporting year.
5	No New Actions in the 2020-2021 reporting year.
6	Other - In 2014 the City improved solid waste services by increasing solid waste collection to weekly pick-ups.
7	No New Actions in the 2020-2021 reporting year.
8	Other - In 2014 the City improved solid waste services by increasing solid waste collection to weekly pick-ups.
9	Other - In 2014 the City improved solid waste services by increasing solid waste collection to weekly pick-ups.
10	Other - In 2014 the City improved solid waste services by increasing solid waste collection to weekly pick-ups.
11	On Land Cleanup - In the 2020-2021 reporting year the City continued to work with Earth Team to perform on-land clean-ups along Rumrill Blvd and San Pablo Ave. as part of a larger trash reduction program in the area. Other - In 2014 the City improved solid waste services by increasing solid waste collection to weekly pick-ups.
12	Other - In 2014 the City improved solid waste services by increasing solid waste collection to weekly pick-ups.
13	Other - In 2014 the City improved solid waste services by increasing solid waste collection to weekly pick-ups.
14	No New Actions in the 2020-2021 reporting year.

Summary of Trash Control Measures Other than Full Capture Devices:

- **Street Sweeping:** Include a description of any enhancements or new actions implemented after the MRP 1.0 effective date (i.e., December 2009). Identify portions of the TMA where enhanced street sweeping (i.e., increased sweeping frequency) and parking enforcement above 2009 levels was implemented.
- **On-land Cleanup:** Include a description of on-land cleanup activities that began after the MRP 1.0 effective date (i.e., December 2009) and continued into FY 20-21, including any enhancements or new actions implemented in FY 20-21. Describe if these actions are Permittee or volunteer-led.
- **Partial Capture Devices:** Provide a description of devices installed after the MRP 1.0 effective date (i.e., December 2009). Describe the level of maintenance conducted per device types.
- **Storm Drain Inlet Cleaning:** Describe storm drain inlet maintenance activities implemented after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 20-21, including any enhancements or new maintenance activities implemented in FY 20-21. For new/enhanced actions, include the number of inlets where enhanced maintenance occurred, and the increased frequency of maintenance.
- **Uncovered Loads:** Describe activities designed to reduce trash from uncovered loads that began after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 20-21, including any enhancements or new actions implemented in FY 20-21. Describe the types of actions implemented including new or redirected enforcement efforts to increase the focus towards new or enhanced actions.
- **Anti-littering and illegal dumping enforcement activities:** Describe anti-littering and illegal dumping enforcement activities began after to the MRP 1.0 effective date (i.e., December 2009) and continued in FY 20-21, and any enhancements or new actions implemented in FY 20-21. Include any new or redirected enforcement efforts to increase the focus towards new or enhanced actions. Describe the number of citations or other correction actions accomplished this year and compare with previous years. Indicate how anti-littering and illegal dumping enforcement records are kept, and how they may be retrieved for audit.
- **Improved Trash Bin/Container Management:** Describe activities designed to improve trash bin/container management that began after the MRP1.0 effective date (i.e., December 2009) and continued in FY 20-21, and any enhancements or new actions implemented in FY 20-21. Include any new or redirected efforts to increase the focus towards these new or enhanced actions.
- **Other Types of Actions:** Describe activities designed after the MRP effective date (i.e., December 2009) and continued in FY 20-21, and any enhancements or new (post December 2009 effective date) actions implemented in FY 20-21.

C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART B)

Provide the following:

- 1) A summary of the on-land visual assessments in each TMA (or control measure area), including the street miles or acres available for assessment (i.e., those associated with VH, H, or M trash generation areas not treated by full capture systems), the street miles or acres assessed, the % of available street miles or acres assessed, and the average number of assessments conducted per site within the TMA; and
- 2) Percent jurisdictional-wide trash reduction in FY 20-21 attributable to trash management actions other than full capture systems implemented in each TMA; OR
- 3) Indicate that no on-land visual assessments were performed.

If no on-land visual assessments were performed, check here and state why:	X	Explanation: The City of San Pablo is considered to be “trash challenged” and historically has not seen a reduction in trash loads during on land visual assessment. Therefore, the City prioritizes full trash capture (FTC) devices and creek and shoreline cleanups over visual assessments. Once all high trash areas have been addressed and all potential FTC devices have been installed the City will move towards an on-land visual assessment program. As the City implements its new Direct Discharge Plan visual assessments will be conducted to measure improvement. The 2020-21 reporting years has no claimed reductions from visual assessments.
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TMA ID <i>or (as applicable) Control Measure Area</i>	Total Street Miles ⁵⁶ or Acres Available for Assessment	Summary of On-land Visual Assessments			Jurisdictional-wide Reduction (%)
		Street Miles or Acres Assessed	% of Available Street Miles or Acres Assessed	Avg. # of Assessments Conducted at Each Site	
1	1.80	0.00	0.00	0	0.0
2	1.18	0.00	0.00	0	0.0
3	0.77	0.00	0.00	0	0.0
4	0.29	0.00	0.00	0	0.0
5	0.04	0.00	0.00	0	0.0
6	0.23	0.00	0.00	0	0.0
7	0.05	0.00	0.00	0	0.0
8	0.72	0.00	0.00	0	0.0
9*	0.00	NA	NA	NA	0.0

⁵⁶ Linear feet are defined as the street length and do not include street median curbs.

10	1.15	0.00	0.00	0	0.0
11	5.13	0.00	0.00	0	0.0
12	1.39	0.00	0.00	0	0.0
13	0.52	0.00	0.00	0	0.0
14	0.19	0.00	0.00	0	0.0
Total		0.0	0.0	0	0.0

* TMAs are entirely comprised of low trash generating area, under full trash capture, or non-jurisdictional; and assessments are not required.

C.10.b.iv ▶ Trash Reduction – Source Controls				
Provide a description of each jurisdiction-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and estimate the associated reduction of trash within your jurisdictional area. Note: There is a maximum of 10% total credit for source controls.				
Source Control Action	Summary Description & Dominant Trash Sources and Types Targeted	Evaluation/Enforcement Method(s)	Summary of Evaluation/Enforcement Results To-date	% Reduction
Single-use Plastic Bag Ordinance	<p>As reported in the City’s Long-Term Trash Load Reduction Plan, the City of San Pablo adopted a plastic bag ordinance on January 1, 2014, which became enforceable on July 1, 2014.</p> <p>For more information or to view the ordinance in its entirety please visit: http://www.sanpabloca.gov/index.aspx?nid=1319</p>	<p>Inspections and field monitoring are used to assess the effectiveness of the control measure in reducing trash from entering the municipal stormwater conveyance device.</p> <p>To calculate the percent reduction the City uses the following equation: (% Achievable*) X (% of Businesses Affected**) X (Percent Compliance***)</p> <p>2020-21: 8% x 95% x 90%</p>	<p>Over the 2020-2021 reporting year, 20% of the retail and restaurant businesses registered in the City of San Pablo were inspected for plastic bag checks. 6 businesses were out of compliance. The City achieved a 90% compliance rate.</p>	6.9%
Polystyrene Food Service Ware Ordinance	<p>The City adopted a polystyrene ban with an effective date of January 1, 2015. The ordinance became enforceable on April 1, 2015.</p> <p>For more information or to view the ordinance in its entirety please visit: http://www.sanpabloca.gov/index.aspx?nid=1401</p>	<p>Inspections and field monitoring were used to assess the effectiveness of the control measure in reducing trash from entering the municipal stormwater conveyance device.</p>	<p>Over the 2018-2019 reporting year, 23% of the retail and restaurant businesses registered in the City of San Pablo were inspected for polystyrene items. One business was out of compliance. The</p>	5.3%

C.10.b.iv ▶ Trash Reduction – Source Controls

Provide a description of each jurisdiction-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and estimate the associated reduction of trash within your jurisdictional area. Note: There is a maximum of 10% total credit for source controls.

	This ordinance is attempting to reduce expanded polystyrene (aka Styrofoam™).	To calculate the percent reduction, the City uses the following equation: (% Achievable*) X (% of Businesses Affected**) X (Percent Compliance***) 2020-21: 6% x 95% x 94%	City achieved a 94% compliance rate.	
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C.10.c ▶ Trash Hot Spot Cleanups

Provide the FY 20-21 cleanup date and volume of trash removed during each MRP-required Trash Hot Spot cleanup during each fiscal year listed. Indicate whether the site was a new site in FY 20-21.

Trash Hot Spot	New Site in FY 20-21 (Y/N)	FY 20-21 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
Davis Park from Footbridge to Culvert	N	09/09/2020	3.0	0.33	0.19	0.31	3.0

The significant increase in 2020-2021 is due to two apparent dumping sites and increased encampment activity in the area.

C.10.d ► Long-Term Trash Load Reduction Plan

Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014. Describe significant changes made to primary or secondary trash management areas (TMA), baseline trash generation maps, control measures, or time schedules identified in your plan. Indicate whether your baseline trash generation map was revised and, if so, what information was collected to support the revision. If your baseline trash generation map was revised, attach it to your Annual Report.

Description of Significant Revision	Associated TMA
After visual confirmation, one parcel was deemed as “low” trash generation (Parkview Terrace Town Homes). This was a misclassification during the initial baseline assessment. This was originally reported in the 2015-2016 Annual Report; No changes since the 2015-2016 reporting year. Please see Attachment C for an updated map.	13
Public schools (K-12, community colleges, and public universities) have been reclassified as a non-jurisdictional land use. This was originally reported in the 2015-2016 Annual Report; No changes since the 2015-2016 reporting year. Please see Attachment C for an updated map.	1, 2, 7, 11, 12

C.10.e. ► Trash Reduction Offsets (Optional)

Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 20-21. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the Water Board Executive Officer, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.

Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 20-21	Offset (% Jurisdiction-wide Reduction)
<p>Additional Creek and Shoreline Cleanups (Max 10% Offset)</p>	<p>The City of San Pablo performed the following creek and shoreline cleanups during the 2019-2020 annual reporting year:</p> <p>San Pablo Creek at Kennedy Plaza</p> <ul style="list-style-type: none"> October 5-6, 2020: City Maintenance Crews removed trash and encampments from Kennedy Plaza under the San Pablo Ave. Bridge prior to the start of the rainy season. Approximately 9.5 cubic yards were removed during this event. <p>San Pablo Creek from the BNSF Railroad to Rumrill Blvd.</p> <ul style="list-style-type: none"> September 1, 2020: City Maintenance Crews removed trash and debris from an encampment. Approximately 3.5 cubic yards of trash was removed during this event. October 2, 2020: City Maintenance Crews removed trash from this site prior to the start of the rainy season. Approximately 5.8 cubic yards of waste was removed during this event. <p>Wildcat Creek from the BNSF Railroad to the San Pablo Corp Yard</p> <ul style="list-style-type: none"> September 29, 2020: City Maintenance Crews removed trash and encampment debris from the site prior to the start of the rainy season. Approximately 24 cubic yards of trash were removed during this event. <p>Wildcat Creek from the Corp Yard to 23rd Street</p>	<p>158 CY</p>	<p>10%</p>

C.10.e. ► Trash Reduction Offsets (Optional)			
<p>Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 20-21. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved <u>by the Water Board Executive Officer</u>, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.</p>			
	<ul style="list-style-type: none"> September 17-24, 2020: City Maintenance Crews removed trash and a large encampment site from the site prior to the start of the rainy season. Approximately 45 cubic yards of trash were removed during this event. January 4, 2020: City Maintenance Crews removed 2.15 cubic yards of debris from the 23rd Street park cleanup. <p>Rheem Creek at Wanlass Park</p> <ul style="list-style-type: none"> October 7-8, 2020: City Maintenance Crews removed trash and debris from the creek prior to the start of the rainy season. Approximately 67 cubic yards of debris were removed from the site. <p>At least one additional creek and shoreline cleanup occurred at each of these locations during the reporting year that is not recorded above. Attachment D provides the calculations and data used to determine the trash reduction offset.</p>		
<p>Direct Trash Discharge Controls (Max 15% Offset)</p>	<p>The City of San Pablo submitted a Direct Discharge Plan in February 2020 and it was approved on September 30, 2020. Due to the COVID-19 pandemic, the Plan implementation has been delayed.</p>	<p>None.</p>	<p>None.</p>

Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 20-21.

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 20-21 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 20-21 After Accounting for Full Capture Systems and Other Control Measures					Jurisdiction-wide Reduction via Other Control Measures (%)	Jurisdiction-wide Reduction via Full Capture AND Other Control Measures (%)
	L	M	H	VH	Total	L	M	H	VH	Total		L	M	H	VH	Total		
1	3	91	118	53	266	177	45	36	8	266	28.2	177	45	36	8	266	0.0	28.2
2	4	23	178	15	221	185	3	26	6	221	22.4	185	3	26	6	221	0.0	22.4
3	0	18	88	2	109	74	14	19	2	109	8.7	74	14	19	2	109	0.0	8.7
4	0	0	28	0	28	5	0	22	0	28	0.6	5	0	22	0	28	0.0	0.6
5	0	0	18	0	18	12	0	6	0	18	1.4	12	0	6	0	18	0.0	1.4
6	0	0	8	0	8	0	0	8	0	8	0.0	0	0	8	0	8	0.0	0.0
7	0	1	0	0	1	0	1	0	0	1	0.0	0	1	0	0	1	0.0	0.0
8	10	29	0	0	39	14	25	0	0	39	0.1	14	25	0	0	39	0.0	0.1
9	0	83	0	0	83	83	0	0	0	83	2.5	83	0	0	0	83	0.0	2.5
10	5	49	0	1	55	9	46	0	1	55	0.1	9	46	0	1	55	0.0	0.1
11	8	245	1	1	255	103	153	0	0	255	3.3	103	153	0	0	255	0.0	3.3
12	3	50	0	0	53	12	41	0	0	53	0.3	12	41	0	0	53	0.0	0.3
13	61	44	0	0	105	70	34	0	0	105	0.3	70	34	0	0	105	0.0	0.3
14	234	13	1	0	248	236	11	1	0	248	0.1	236	11	1	0	248	0.0	0.1
Totals	330	645	440	72	1488	982	375	119	17	1492	67.9	982	375	119	17	1492	0.0	67.9

Note: "NA" indicates that the TMA has no moderate, high, or very high trash generating areas (i.e., all low trash generation and/or non-jurisdictional) and therefore no additional trash control measures are needed.

Section 11 - Provision C.11 Mercury Controls

- C.11.a ▶ Implement Control Measures to Achieve Mercury Load Reductions**
- C.11.b ▶ Assess Mercury Load Reductions from Stormwater**
- C.11.c ▶ Plan and Implement Green Infrastructure to Reduce Mercury Loads**

See the CCCWP FY 2020-21 Annual Report for updated information on:

- Documentation of mercury control measures implemented in our agency’s jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology⁵⁷ was used to calculate the mercury load reduced by each control measure implemented in our agency’s jurisdictional area (including green infrastructure) and the calculation results (i.e., the estimated mercury load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess mercury load reductions in the subsequent permit.

C.11.e ▶ Implement a Risk Reduction Program

A summary of CCCWP and regional accomplishments for this sub-provision, including a brief description of actions taken, an estimate of the number of people reached, and why these people are deemed likely to consume Bay fish are included in the CCCWP FY 2020-21 Annual Report.

⁵⁷BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.1. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., March 23, 2017.

Section 12 - Provision C.12 PCBs Controls

C.12.a ► Implement Control Measures to Achieve PCBs Load Reductions

C.12.b ► Assess PCBs Load Reductions from Stormwater

C.12.c ► Plan and Implement Green Infrastructure to Reduce PCBs Loads

See the CCCWP FY 2020-21 Annual Report for:

- Documentation of PCBs control measures implemented in our agency’s jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology⁵⁸ was used to calculate the PCBs load reduced by each control measure implemented in our agency’s jurisdictional area (including green infrastructure) and the calculation results (i.e., the estimated PCBs load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess PCBs load reductions in the subsequent permit

C.12.f. ► Manage PCB-Containing Materials During Building Demolition

See the CCCWP FY 2020-21 Annual Report for:

- Documentation of the number of applicable structures in each Permittee’s jurisdiction for which a demolition permit was applied for during the reporting year; and
- A running list of the applicable structures in each Permittee’s jurisdiction for which a demolition permit was applied for (since the date the PCBs control program was implemented) that had material(s) with PCBs at 50 ppm or greater, with the address, demolition date, and brief description of PCBs control method(s) used.

⁵⁸BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.1. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., September 19, 2017.

C.12.h ► Implement a Risk Reduction Program

A summary of CCCWP and regional accomplishments for this sub-provision, including a brief description of actions taken, an estimate of the number of people reached, and why these people are deemed likely to consume Bay fish are included in the CCCWP FY 2020-21 Annual Report.

Section 13 - Provision C.13 Copper Controls

C.13.a.iii.(3) ► Manage Waste Generated from Cleaning and Treating of Copper Architectural Features

Provide summaries of permitting and enforcement activities to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post-construction.

Summary:

San Pablo has not had any applications with copper architectural features. However, if an applicant were to propose copper architectural features the Community Development Department would inform Public Works, who would make contact with the applicant to explain the potential social and environmental issues with copper features. The applicant would also be sent an informational factsheet that was developed by the CCCWP and the City would require the applicant to call for inspection during installation. Conditions of approval would be included in the permit that would require the appropriate BMPs and an O&M agreement for maintenance of the features. The information is available on the [City's website](#) explaining all stormwater construction requirements in San Pablo.

C.13.b.iii.(3) ► Manage Discharges from Pools, Spas, and Fountains that Contain Copper-Based Chemicals

Provide summaries of any enforcement activities related to copper-containing discharges from pools, spas, and fountains.

Summary:

There are very few pools and spas in the City of San Pablo. No illicit discharges from pools were reported and therefore no enforcement actions were taken this reporting year. During the 2017-2018 reporting year, the City of San Pablo sent all pool owners (in-ground and known above ground) a letter explaining pool owner responsibilities which included the CCCWP "Draining Pools and Spas" information pamphlet. This pamphlet includes a sticker to put on the pumping equipment to remind owners to discharge to the sanitary sewer. This pamphlet is available [online](#) or at City offices for anyone that requests it. If any discharges do occur, then staff would follow the illicit discharge protocols.

C.13.c.iii ► Industrial Sources Copper Reduction Results

Based upon inspection activities conducted under Provision C.4, highlight copper reduction results achieved among the facilities identified as potential users or sources of copper, facilities inspected, and BMPs addressed.

Summary:

Copper sources and adequacy of BMPs are evaluated during all commercial/industrial inspections. Vehicle service facilities that conduct brake service are routinely inspected for management of copper brake pads and the fine solids that are generated when servicing brakes. Vehicle washing operations are routinely evaluated to ensure the wastewater does not enter the storm drain system as a means to control a variety of pollutants including copper. The Enforcement Response Plan elements are used when inadequate controls are identified. No inspections during the FY20-21 reporting year identified potential sources of copper pollution therefore no identified copper reduction resulted from C.4 inspections. However, inspectors have been trained to identify potential users or sources of copper in facilities inspected through the BASMAA POC inspector training and materials.

Section 15 -Provision C.15 Exempted and Conditionally Exempted Discharges

C.15.b.vi.(2) ► Irrigation Water, Landscape Irrigation, and Lawn or Garden Watering

Provide implementation summaries of the required BMPs to promote measures that minimize runoff and pollutant loading from excess irrigation. Generally the categories are:

- Promote conservation programs
- Promote outreach for less toxic pest control and landscape management
- Promote use of drought-tolerant and native vegetation
- Promote outreach messages to encourage appropriate watering/irrigation practices
- Implement Illicit Discharge Enforcement Response Plan for ongoing, large volume landscape irrigation runoff.

Summary:

The City of San Pablo promotes water conservation, pesticide information, and drought tolerant vegetation through various existing programs and policies.

- The City Council has adopted the seven principles of Bay-Friendly gardening.
- The City works with Earth Team and The Watershed Project, to promote conservation programs such as: educating local students about water conservation and water quality, developing plant labels and native gardening kiosks at the Senior Center, and promoting the benefits of green infrastructure through projects and public meetings.
- During C.3 plan reviews, the City requires drip irrigation wherever possible. The City is following the Water Efficient Landscape Ordinance (WELO) requirements on new development projects to reduce irrigation requirements.
- The City works with East Bay Municipal Utility District to receive their “Water Smart Recommended Water Budget” Reports ensuring that the City is not overwatering any properties or landscape strips.

Additionally, the CCCWP promotes several programs and measures to minimize pollutant loading from excess irrigation including, but not limited to:

- Stormwater C.3 Guidebook adopted by ordinance, which promotes to land development professionals landscaping designed to: 1) minimize irrigation and runoff; 2) promote infiltration of runoff where appropriate; and, 3) minimize use of fertilizers and pesticides using pest-resistant plants that are suited to site conditions (e.g., soil and climate).
- Green Business Program, which promotes to businesses a variety of measures such as using drought-tolerant plantings, mulching, carefully monitoring irrigation schedules and needs, and implementing Integrated Pest Management.
- Our Water Our World (OWOW) Program, which promotes to consumers at the point of purchase less toxic alternatives to combating lawn and garden pests.
- The City uses the Enforcement Response Plan to investigate and enforce any large volumes of landscape irrigation runoff.

Attachment A: C.4.b.iii- Potential Facilities List 2020-2021

Name	Address	Program Category
2 Amigos Food Truck	1160 Rumrill Blvd	Food Service
23rd and Sanford Market	2290 Sanford Ave	Grocery Store
360 Auto Repair	1621 Rumrill Blvd	Vehicle Service
7 Eleven Store 2369-24643D	14501 San Pablo Ave	Mini-Market
A+ Smog	2750 Rumrill Blvd	Vehicle Service
A-1 Martin's Auto Body	1507 Market Ave	Vehicle Service
ACS Smog	2550 Mission Bell Drive	Vehicle Service
Adobe Liquors	13800 San Pablo Ave	Mini Mart
Aloha Pure Water & Shaved Ice	2300 El Portal Drive K	Food Service
Amazing Kitchen	13993 San Pablo Ave	Food Service
Americana Pizza And Taqueria	13350 San Pablo Ave #A4	Food Service
Arciniega's Auto Repair	1503 Rumrill Blvd	Vehicle Service
Asia Delight	13350 San Pablo Ave #A6	Food Service
AutoZone #4023	14270 San Pablo Ave	Retail
AutoZone Auto Parts	13102 San Pablo Ave	Retail
BA Auto Repair	1441 Broadway Ave	Vehicle Service
Bay Area Frame & Body	2218 Market Ave	Vehicle Service
Bismillah Restaurant	102 San Pablo Towne Center	Food Service
Blue Bay Thai Cuisine	13501 San Pablo Ave #B	Food Service
Bonfare Market #13	14701 San Pablo Ave	Mini-Market
Bottles	3550 San Pablo Dam Road G	Mini-Market
Brookside U-Save Liquor	2085 23rd Street	Mini-Market
Burger King	12999 San Pablo Ave	Food Service
By Customs	224 Center Court	Vehicle Service
Castrol Premium Lube Express	3220 San Pablo Dam Road	Vehicle Service
CCS - Complete Car Service	1960 23rd Street	Vehicle Service
CCS Auto Body	1868 Rumrill Blvd	Body Shop
Cernas Tire	1291 Rumrill Blvd	Vehicle Service
Chang Thai Cuisine	2229 Dover Ave	Food Service
Cheng Auto	1454 Rumrill Blvd	Vehicle Service
Chevron San Pablo	13065 San Pablo Ave	Gas Station
Chico's Market	1900 Market Ave	Grocery Store
China Express Restaurant	1841 23rd Street	Food Service
Chris' Down Home Soul Food	1260 Rumrill Blvd	Food Service
Cindy's Pupuseria y Carniceria	2571 Rumrill Blvd	Food Service
City Market	2388 Market Ave	Grocery Store
Colima Auto Repair	1752 Rumrill Blvd	Vehicle Service
Collision Craft	1055 Broadway Ave	Vehicle Service

Name	Address	Program Category
D.C. Auto Repair	14673 San Pablo Ave	Vehicle Service
Daytona Motors	2697 El Portal Drive	Vehicle Service
Del Campo International Foods	1847 Rumrill Blvd	Grocery Store
Delhi Dhaba And Chaat	13112 San Pablo Ave #B	Food Service
Denny's Restaurant	2526 San Pablo Dam Road	Food Service
Domino's Pizza	14350 Laurie Lane K	Food Service
Don Francisco Smog	1868 Rumrill Blvd 2	Vehicle Service
Donut King	2250 Broadway Ave	Food Service
Double Rainbow	14444 San Pablo Ave	Food Service
Dragon Snow Desert Café	3550 San Pablo Dam Road A2	Food Service
Duran's Auto Glass	1613 Market Ave	Vehicle Service
East Bay Brass Foundry	1200 Chesley Ave	Foundry
El Amigo Smog	3024 Giant Road	Vehicle Service
El Cuscatlan	14350 Laurie Lane A	Food Service
El Pollo Loco #3472	13139 San Pablo Ave	Food Service
El Porvenir Produce Market	1537 Rumrill Blvd	Grocery Store
El Sitio Taqueria	1811 23rd Street C	Food Service
El Tazumal Restaurant	14621 San Pablo Ave	Food Service
Empire Buffet	700 San Pablo Towne Center	Food Service
Evergreen Produce 11	1320 Market Ave	Grocery Store
Express Lube Center	2700 El Portal Drive	Vehicle Service
Fahrenheit Auto Performance	1405 23rd Street	Vehicle Service
Farmers Market	1160 Rumrill Blvd	Grocery Store
Food Barn	1835 Rumrill Blvd	Food Service
Food Maxx #411/ Save Mart	13220 San Pablo Ave	Grocery Store
Giant Auto	3022 Giant Road	Vehicle Service
Giron Auto Repair	1015 Broadway	Vehicle Service
Golden 7 Food Store, Inc.	2698 El Portal Drive	Mini-Market
Gou Bu Li Restaurant	3340 San Pablo Dam Road F	Food Service
Grand Prix Car Wash & Detail 1	3080 San Pablo Dam Road	Car Wash/Det.
Grocery Outlet of San Pablo	2079 23rd Street	Grocery Store
HDMA Inc.	2701 El Portal Drive	Gas Station
Hoai Huong Coffee Shop	14409 San Pablo Ave	Food Service
Home Town Donuts	1811 23rd Street H	Food Service
Hornbill Burmese Cuisine	3550 San Pablo Dam Road J	Food Service
Hundal Sahib Fish and Chips	3550 San Pablo Dam Road B-3	Food Service
J & M LIQUORS	14718 San Pablo Avenue	Mini Mart
J&M Auto Repair	2145 Rumrill Blvd C	Vehicle Service
Jack In The Box #4353	50 San Pablo Towne Center	Food Service
Jack In The Box #542	14395 San Pablo Ave	Food Service

Name	Address	Program Category
Jamba Juice #780	30 San Pablo Towne Center C	Food Service
Jashoda Maa Asian Market	2049 23rd Street	Grocery Store
Jennifer and Todd's Café Soliel	3550 San Pablo Dam Road #C	Food Service
Jersey Mikes Subs	30 San Pablo Towne Center D	Food Service
JK Giant Burger	1789 Rumrill Blvd	Food Service
John's Market	1900 Broadway Ave	Grocery Store
Kebab Express	13350 San Pablo Ave A5	Food Service
KFC #173	14400 San Pablo Ave	Food Service
La Cascadita	14520 San Pablo Ave	Food Service
La Chona Restaurant	1848 23rd Street	Food Service
La Loma #11	1313 Road 20	Food Service
La Loma #5 & Meat Market	1992 23rd Street	Food Service
La Palmera Commissary	3300 Giant Road	Food Service
La Plazuela	2022 23rd Street	Food Service
La Strada Restaurant	2215 Church Lane	Food Service
Las Montanas Supermarket	13901 San Pablo Ave	Grocery Store
Lee's Garden	2300 El Portal Drive I	Food Service
Lee's Garden #2, Town Center	107 San Pablo Towne Center	Food Service
Lemon Gals	2450 Road 20	Food Service
Limon Frozen Yogurt	2300 El Portal Drive H	Food Service
Little Caesars	2071 23rd Street	Food Service
Los Compadres Taqueria	1742 Rumrill Blvd	Food Service
Los Grullenses	1777 Rumrill Road	Catering-Bus.
Los Primos Market & Produce	2571 Rumrill Blvd	Grocery Store
Lucky Garden Express	13501 San Pablo Ave H	Food Service
Mahan Enterprise (Hp Gas)	2500 San Pablo Dam Road	Gas Station
Mariscos La Playita	2037 23rd Street	Food Service
Mars Motoring LLC	2716 El Portal Drive C	Vehicle Sales
McCarty's Bike, Auto & RV	3131 San Pablo Dam Road	Car Rental
McDonald's	14480 San Pablo Ave	Food Service
McDonald's	3320 San Pablo Dam Road	Food Service
Mercado La Hacienda	2100 23rd Street	Food Service
Mi Ranchito Market #1	1634 Rumrill Blvd	Grocery Store
Mobil Gas Station	2601 Road 20	Gas Station
Montecristo Market	1439 23rd Street E	Mini Mart
Mountain Mike's Pizza	3340 San Pablo Dam Road L	Food Service
Nation's Hamburgers #1	13296 San Pablo Ave	Food Service
Neighbors Bev and Snacks	14600 San Pablo Ave	Mini Mart
New D. C. Meat Market	2077 23rd Street	Grocery Store
NFS Automotive	14640 San Pablo Ave	Vehicle Service

Name	Address	Program Category
Noodle 21	501 San Pablo Towne Center B	Food Service
Noodle King	14350 Laurie Lane I	Food Service
Ocotes Grill	1439 23rd Street A	Food Service
O'henry Donuts	13501 San Pablo Ave F	Food Service
O'Reilly Auto Parts #2893	14420 San Pablo Ave	Retail
Pancho's Auto Body	1620 Rumrill Blvd	Vehicle Service
People's Market & Liquor	1474 Broadway Ave	Mini-Market
Petro Plus Garage	1401 Market Ave	Vehicle Service
Pizza Guys	501 San Pablo Towne Center A	Food Service
Pizza Hut (Pac Pizza, LLC)	14501 San Pablo Ave	Food Service
Pollo Rostisado	1890 23rd Street	Food Service
Popeye's Chicken & Biscuits	10 San Pablo Towne Center	Food Service
Pupuseria La Paz	1762 Rumrill Blvd	Food Service
Quality Tire Sales	2145 Rumril G	Vehicle Service
Quetzal Bakery	1873 23rd Street	Food Service
R. C. LIQUORS	13350 San Pablo Avenue	Mini Mart
Raley's #321	3360 San Pablo Dam Road	Food Service
Raza Smog	1371 23rd Street	Vehicle Service
Richmond Tire	1608 Market Ave	Vehicle Service
Rockin Crawfish	2300 El Portal Drive L	Food Service
Ron's Transaxle	1009 Broadway Ave	Vehicle Service
Rose Zapp Thai Cuisine	1811 23rd Street E	Food Service
Round Table Pizza	13100 San Pablo Ave	Food Service
Royal Palace Restaurant	3550 San Pablo Dam Road A	Food Service
Rumrill Food and Liquor	1441 Rumrill Blvd	Mini Mart
Samraj Sweets N Chaat Hut	3340 San Pablo Dam Road D-2	Food Service
San Pablo Auto Body, Inc	2031 Rumrill Blvd 11	Vehicle Service
San Pablo Automotive	13965 San Pablo Ave	Retail
San Pablo Billiards	1500 23rd Street	Food Service
San Pablo Burrito Shop	2300 El Portal Drive F	Food Service
San Pablo Healthcare And Wellness Center	13328 San Pablo Ave	Healthcare
San Pablo Mainenance Center	13052 San Pablo Ave	Vehicle Service
San Pablo Supermarket	2368 El Portal Drive	Grocery Store
San Pablo Tire & Wheel Auto Center	1350 23rd Street	Vehicle Service
Shell Station	2876 El Portal Drive	Gas Station
Shop & Save Market	1885 23rd Street	Grocery Store
Smart & Final #568	13110 San Pablo Ave	Grocery Store
Speed Lube	14639 San Pablo Ave	Vehicle Service
Spicy Bite	3550 San Pablo Dam Rd	Food Service
Sportsman Liquor	1637 23rd Street	Mini-Market

Name	Address	Program Category
Starbread Bakery	13501 San Pablo Ave E	Food Service
Starbread Bakery	2368 El Portal Drive E	Grocery Store
Starbucks #8722	30 San Pablo Towne Center A	Food Service
Starbucks Coffee #22822	3300 San Pablo Dam Road	Food Service
Starbucks Coffee #8851	14330 San Pablo Ave	Food Service
Subway	14350 Laurie Lane H	Food Service
Sukie's Country Kitchen	2400 El Portal Ave	Food Service
Super Auto Brokers	2716 El Portal Drive B	Vehicle Sales
Susy's Bakery	14520 San Pablo Ave	Food Service
T4	13350 San Pablo Ave A7	Food Service
Taco Bell #30935	40 San Pablo Towne Center	Food Service
Tacos El Amigo	1942 Rumrill Blvd	Food Service
Taqueria Dona Maria	3550 San Pablo Dam Road A-1	Food Service
Taqueria San Juan	13501 San Pablo Ave C	Food Service
Texas Gas Services Co	3363 San Pablo Dam Road	Gas Station
That Luang Kitchen	1614 23rd Street	Food Service
The Handy Liquor Store	14301 San Pablo Ave	Mini-Market
Top Gas & Grocery	1522 Rumrill Blvd	Gas Station
Tortas & Taqueria Los Picudos	13830 San Pablo Ave #1	Food Service
United Paeteria & Neveria Inc.	14417 San Pablo Ave	Food Service
Unkown	1200 Rumrill	Car Wash/Det.
Velasquez Mexican Restaurant	14401 San Pablo Ave	Food Service
WC Garden Supplies	2846 El Portal Drive	Retail
Taqueria El Mezcal San Pablo	14260 San Pablo Ave	Food Service
World Oil Marketing Co.	13013 San Pablo Ave	Gas Station
Xinia's Bakery	3550 San Pablo Dam Road B-1	Food Service
Zarate's Auto Repair	1526 Market Ave	Vehicle Service

Attachment B.1 - Kids for the Bay Outreach Report

KIDS for the BAY

2020 WILDCAT CREEK CLEANUP REPORT

Event: 26th Annual Wildcat Creek Cleanup

Location: Contra Costa County, including Davis Park - 1667 Folsom Ave. San Pablo, CA 94806

Date: Friday, October 16th, 2020- Sunday, October 18th, 2020

Trash Cleanup Event Hours: Minimum Hours Estimated: 22 hours (one hour per volunteer).

Event details altered due to Covid-19: This year, due to the Covid-19 pandemic, event outreach and classroom lessons were delivered in a distance learning format via email outreach and Zoom lessons. The cleanup event was the culmination of student environmentalists leading their own neighborhood and creek cleanups with people in their households while wearing masks, to ensure the health and safety of all participants. Students documented their cleanups with photos and a survey, and were entered in a prize drawing to win some eco-prizes provided by the City of San Pablo.

Event Summary

Total volunteers	22
Total bags of trash (medium bags)	13
Total gallons of trash	70.85
Total pounds of trash	100

Environmental Education Presentations

Dover Elementary School presentations	10
Dover Elementary School presentation dates	10/13/2020 10/14/2020 10/15/2020
Approximate number of Dover students reached	240
St. Paul School presentations	1
St. Paul School presentation date	10/14/2020
Approximate number of St. Paul students reached	17

Helms Middle School	1
Helms Middle School presentation date	10/15/2020
* Approximate number of Helms students reached	21

*The video format of the presentation was shared with the entire Helms Middle School, therefore the number of students reached may be much higher.

Total presentations	12
Approximate total number of students reached	278

Wildcat Creek Cleanup Event Outreach

Classroom Presentations:

Main Teaching Points

- Introduction to the San Francisco Bay watershed and local Wildcat Creek watershed
- Watershed Connections: where does water come from? Where does it go?
- Storm Drain Pollution: how pollution gets to the ocean
- Marine plastic pollution and its impact on marine life
- Solutions to Pollution: practicing the Five Rs (Reduce, Reuse, Recycle, Rot, Refuse) and local trash cleanups!

In 2020, due to Covid-19 restrictions, the Wildcat Creek Cleanup classroom lessons and event outreach were entirely conducted online, primarily through email and social media outreach. Wildcat Creek Program Coordinator and KIDS for the BAY (KftB) Instructor, Jamie Ball, emailed administrative contacts at Dover, St. Paul, and Helms schools, and additionally emailed grade level teams at each school to encourage signups for distance learning lessons led by KftB Instructors Jamie Ball, Sienna Kuykendall, and Laurel Sebastian. Interested teachers signed up from each school and all presentations were conducted via Zoom presentations.

Due to Helms Middle School's unforeseen Zoom privacy restrictions, Instructor Jamie Ball recorded and shared her lesson, which was then shared by Tracey Kitaoka (Seventh Grade Teacher) with the entire Helms Middle School Staff. The 278 student outreach estimate may in actuality be much higher including the additional students reached at Helms Middle School. Tracey emailed Jamie after watching the video with her students and said, "That was AWESOME! It worked out great and I shared it with my whole school! Thanks for making that cool video on the fly!"

Students from Dover and St. Paul Schools were extremely engaged during the presentations and learned all about watershed connections and how pollution travels from their neighborhoods through storm drains all the way to creeks, the San Francisco Bay, and the Pacific Ocean. Isabella, a second grade student from St. Paul shared an observation from her neighborhood, "There is a storm drain near my house and there is always lots of trash which makes me sad." The presentations also inspired a sense of environmental stewardship and students were eager to help clean their community, especially in the interest of helping the animals in our environment and preventing them from being harmed by pollution. Mateo, a third grade student from Dover Elementary remembered the cleanup from last year and exclaimed, "I helped clean up Davis Park last year! We got so much trash out of the environment." Alvina added, "Can I invite my family members to help do the cleanup?!"

Flyering:

Jamie Ball shared the Wildcat Creek Cleanup Flyers with all teachers at Dover Elementary School, St. Paul School, and Helms Middle School. Teachers indicated that they shared the flyers with students and families by posting them on their distance learning classroom platforms including: Class Dojo, SeeSaw, and Google Classroom. Jamie also shared the flyers on the KIDS for the BAY Facebook and Instagram social media pages in an effort to widen the event outreach to the entire Contra Costa community.

Prize Drawing:

In an effort to incentivize participation in the cleanup for students and families, Amanda Booth from The City of San Pablo provided KftB with cool eco-prize bundles to be awarded to students participating in the cleanup! There were enough eco-prize bundles for every student participant. Ms. Jamie delivered each prize bundle to the doorstep of each student in Contra Costa County with a thank you note to congratulate the students on being Inspired Environmentalists and helping keep their watershed environment healthy.

The Cleanup Event Weekend

The 2020 Wildcat Creek Cleanup event was unique because all the students who were eager to make a difference in their community led their own ‘quaran-team’ trash cleanups. Students as young as kindergarten taught their families about the harmful effects of pollution on the environment and led cleanup efforts in their community with their families. Conducting individual neighborhood cleanups was necessary to keep everyone safe during the pandemic, and the turnout was impressive! With the help of these young Environmentalists and their families, 100 pounds of trash was cleaned up from Wildcat Creek and surrounding neighborhoods in Contra Costa County. KftB staff members also participated and conducted a ‘quaran-team’ cleanup at Davis Park during the Wildcat Creek Cleanup weekend.

Volunteers found all kinds of trash hiding in the neighborhoods, from microplastics in the soil, to a big electric fan in Davis Park. KftB staff observed the abundance of trash hidden in the vines of English Ivy at Davis Park and removed as much as possible. St. Paul student Isabella, who expressed concern about the storm drain pollution on her street, led a cleanup and collected a full bag of trash with her family. Two brothers, Miguel and Alberto, from Dover Elementary led a family cleanup at Davis Park and filled a huge garbage bag! Every piece of trash that these young Environmentalists removed from the environment stopped that pollution from getting into the San Francisco Bay.

With a group of approximately 22 volunteers, this Wildcat Creek Cleanup weekend prevented approximately 13 bags of trash from harming the environment and helped to educate the public about the importance of proper waste disposal and helping keep the environment clean and healthy. Dover Kindergartener Araceli said it best, “We want our neighborhood to be clean and shiny!” Each school was represented in the cleanup, and teachers were incredibly proud of their students! KftB staff and the City of San Pablo were impressed with the turnout for the event and the amount of trash removed from Contra Costa County!

Attachment B.2 - The Watershed Project Outreach Report



Wildcat Creek Restoration and Greenway Trail Project
City of San Pablo

Elementary School Education Final Report, March 2021

In order to raise awareness of the Wildcat Creek Restoration and Greenway Trail Project and educate San Pablo students about the importance of healthy creeks in their community, The Watershed Project partnered with four third-grade teachers and one fifth-grade teacher at Downer Elementary School to deliver our Me & My Watershed: Creekside program to their students. 117 third and fifth grade students participated in the program, which included 8 live video lessons with TWP educators and 4 independent journaling activities to encourage them to spend time outside in nearby nature. TWP provided curriculum kits for every student in the program containing all the physical materials needed: dice for a water cycle game, worksheets, a nature journal, and dichotomous key.

Students investigated the guiding question, “How am I a part of my watershed?” with a specific focus on creek health and ecosystem interdependence over the course of eight lessons:

- **Lesson 1 - Getting to Know Our Watershed:** Students viewed a demonstration using a water bottle to gain a foundational understanding of how much freshwater exists on our shared planet, and explored the water cycle through an interactive storytelling game.
- **Lesson 2 - Watershed In Your Hands:** Students learned how water - and pollution - moves through a watershed by creating and testing a model watershed using paper, markers, and a spray bottle.
- **Lesson 3 - Web of Life:** Students reinforced their understanding of a watershed by interacting with a more detailed scale watershed model, and played a food web game to learn how watershed health affects ocean health.
- **Lesson 4 - Nature Journaling:** Students gained an introduction to nature journaling as a tool for personal and environmental health, practiced a journal entry, and prepared to use their nature journals outdoors at home.
- **Lesson 5 - Who Lives Near Creeks?:** Students used evidence and reasoning to determine which organisms live in riparian ecosystems, and how they interact with one another.
- **Lesson 6 - Ecosystem Interdependence Hike:** Students took a virtual field trip to Wildcat Creek, making observations and asking questions to learn what benefits humans receive from creeks.
- **Lesson 7 - Water Quality Monitoring, Part 1:** Using a video of TWP educators at a local creek, students learn how to monitor benthic macroinvertebrates to assess creek health. They are introduced to dichotomous keys and begin an investigation to determine whether the creek is healthy.
- **Lesson 8 - Water Quality Monitoring, Part 2:** Students wrap up their benthic macroinvertebrate analysis and draw conclusions about the health of the creek. They brainstorm ways to protect their local creeks through stewardship.



TWP evaluated the results of the program using student pre- and post-surveys and a teacher evaluation. After participating in the program, a statistically significantly higher percentage of students agreed with the statement, “My home, neighborhood, school, and city are all connected to the bay and ocean” (57% on the post survey vs. 26% on the pre survey). Additionally, on their post-surveys:

- 85% of students agreed with the statement, “I enjoyed the activities.”
- 87% agreed with the statement, “I learned something new.”
- 57% agreed with the statement, “The activities made me spend more time outside,” and
- 72% agreed with the statement, “I know more ways I can help myself feel better when I am stressed or upset.”

When asked what their favorite part of the program was, students cited the virtual field trip to Wildcat Creek as a highlight. They also enjoyed going outside (to use their journals), and making a model watershed using paper, markers, and a spray bottle.

Feedback from the teacher evaluations echoed their students’ positivity. All five of our teacher partners at Downer agreed with the following statements:

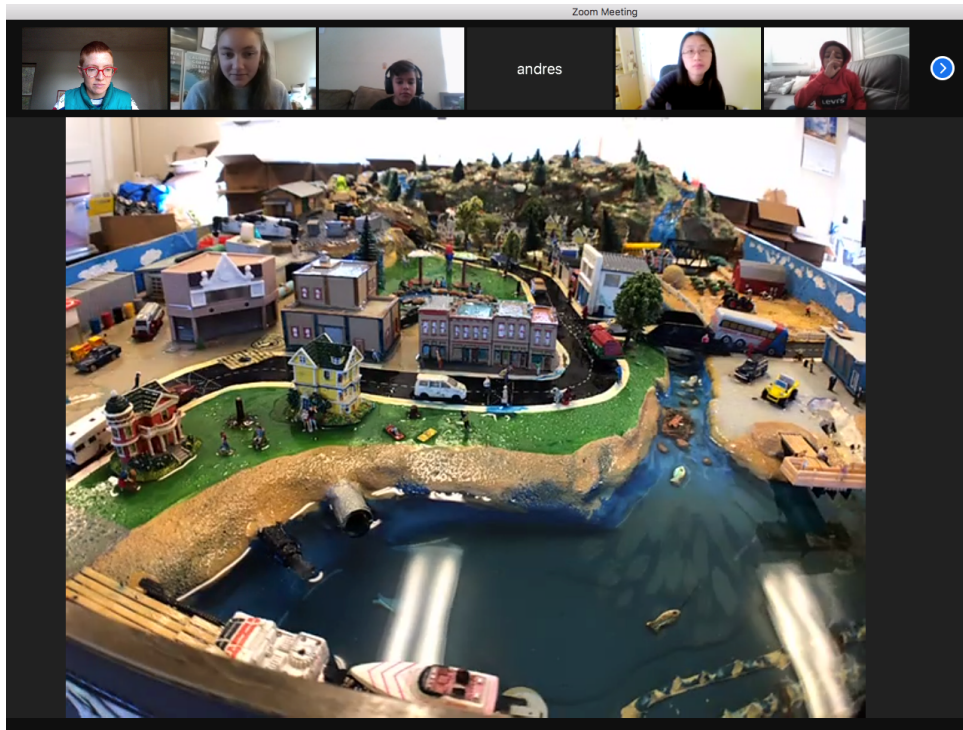
- The curriculum presented was age-appropriate for my students.
- The material covered in the program was relevant and valuable for my students.
- This program provided a learning experience for my students that I wouldn’t be able to provide on my own.
- I am interested in participating in this program again.
- I would recommend this program to other teachers.

They shared that their highlights from the program included the virtual field trip to Wildcat Creek, the watershed model, and the outdoor journaling activities. Additionally, teachers shared the following feedback:

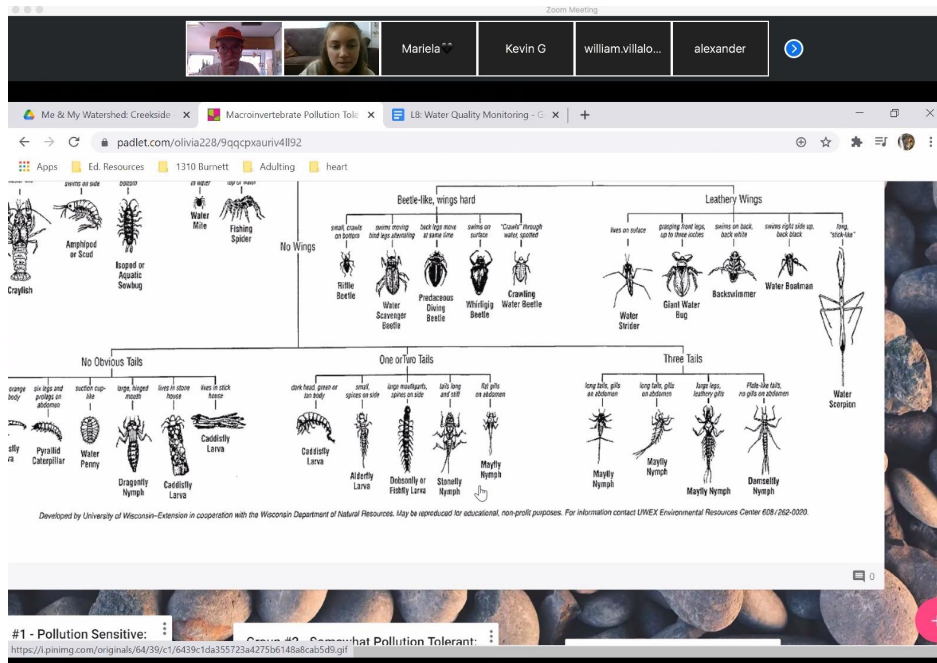
- *“I really enjoyed these classes because your curriculum went with the Science curriculum, so I could assign some science textbook chapters to read to my students.”*
- *“I felt that the instructors were very positive and used affirmative language with the English learners in my classroom community.”*
- *“You did a great job adapting the program to support the virtual world...everything was great.”*
- *“We spend so much effort and money on standardized tests, when there are real problems in the world that the Watershed Project brings to light for our students. The information my students are learning with this project is what really should be mandatory in schools.”*

Through The Watershed Project’s Me & My Watershed: Creekside education program at Downer Elementary School, San Pablo students learned to value creeks as an important community asset, and were encouraged to visit the new restoration site with their families.

Photos from Me & My Watershed: Creekside Program at Downer Elementary School

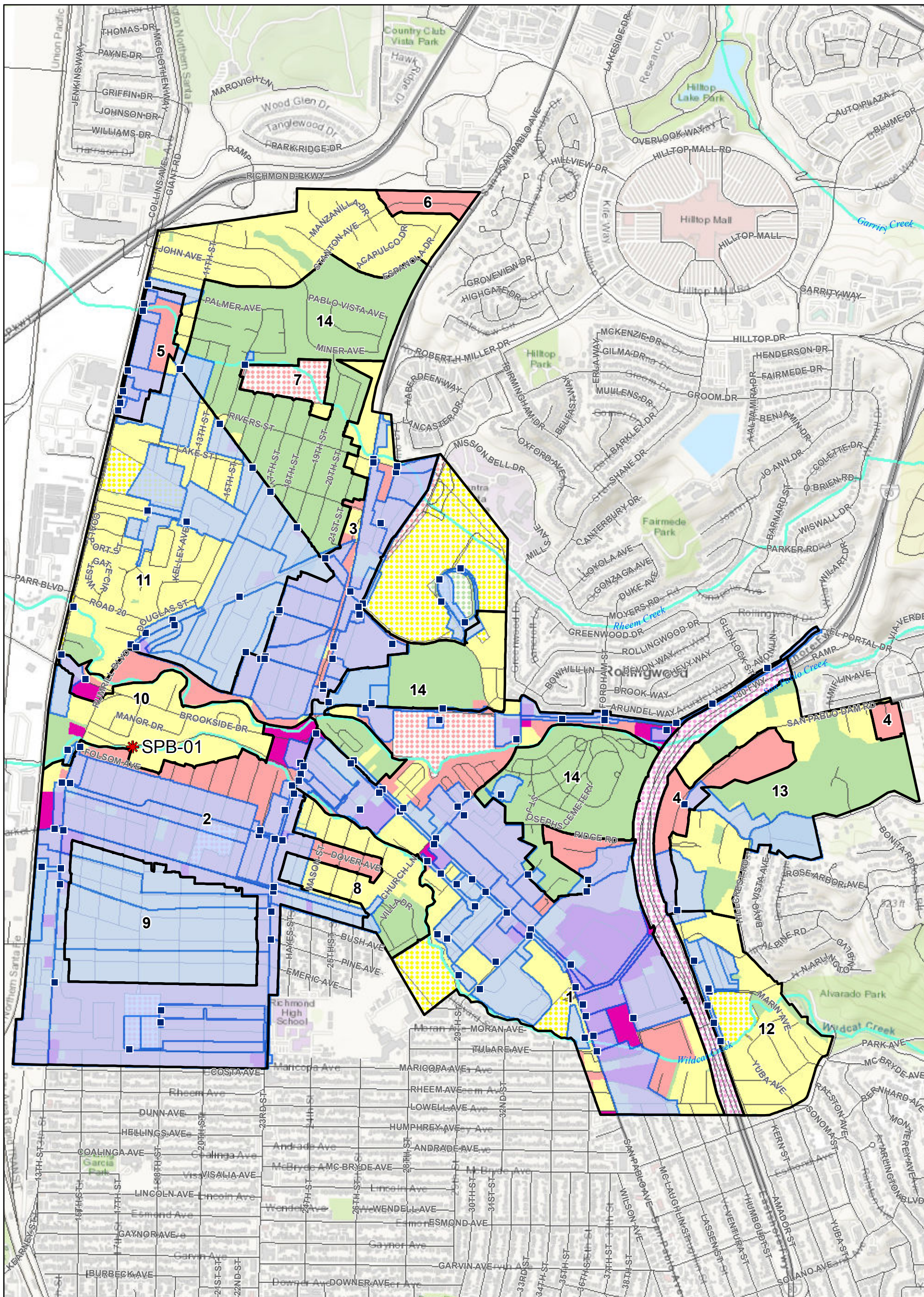


Students interact with a watershed model to learn how cities, creeks, and the bay are connected.



Students use a dichotomous key to classify macroinvertebrates and assess creek health.

Attachment C: 2020-2021 City of San Pablo Trash Map



San Pablo Full Trash Capture and Trash Management Area Map

<p>Trash Generation Category</p> <ul style="list-style-type: none"> Low Medium High Very High 	<ul style="list-style-type: none"> * Creek/Shoreline Hotspot Trash Management Area ■ Full-Capture Location Full Trash Capture Non-Jurisdictional (Dot color = Generation Category) 	<ul style="list-style-type: none"> Streets Creeks Parcel Boundary Map Matchline 	<p>0 0.05 0.1 0.2 Miles</p>	<p style="text-align: center;">N</p>	<p>CONTRA COSTA CLEAN WATER PROGRAM</p>
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Information contained on these maps is for the sole purpose of the Contra Costa Clean Water Program. Accuracy of the data is not guaranteed.
Map Created By CCCWP GIS

Attachment D: Creek and Shoreline Removal Calculations

Date	Location	Tons Removed	Cubic Yards Removed	Gallons Removed
Oct. 7 - Oct. 8 2020	Rheem Creek at Wanlass Park	13.5	67.4	13,613
Sept. 17 - Sept. 24 2020	Wildcat Creek at Corp Yard to 23rd Street	9.1	45.6	9,200
Jan. 4, 2021	Wildcat Creek at Corp Yard to 23rd Street	0.4	2.2	434
Sept. 29, 2020	Wildcat Creek from BNSF Rail to the San Pablo Corp Yard	4.79	24.0	4,837
Sept. 1, 2020	San Pablo Creek From BNSF Rail to Rumrill Blvd.	0.69	3.5	697
Oct. 2, 2020	San Pablo Creek From BNSF Rail to Rumrill Blvd.	1.15	5.8	1,161
October 5-6 2020	San Pablo Creek Kennedy Plaza	1.89	9.5	1,909
Total Trash Removed			158	31,851
1% Reduction for Every 809 Gallons Collected in San Pablo			12.1	2,452
Total % Reduced			13.0%	13.0%
Total % Reduced (Max 10%)			10%	10%

UNRECORDED EVENTS FROM ABOVE LOCATIONS				
Date	Location	Tons Removed	Cubic Yards Removed	Gallons Removed
13-Oct-20	Rheem Creek at Wanlass Park	0.54	2.7	545
6-Jan-21	Wildcat Creek at Corp Yard to 23rd Street	0.17	0.85	172
17-Feb-21	Wildcat Creek from BNSF Rail to the San Pablo Corp Yard	0.37	1.85	374
2-Feb-21	San Pablo Creek From BNSF Rail to Rumrill Blvd.	0.47	2.35	475
30-Jul-20	San Pablo Creek Kennedy Plaza	1.00	2.35	475